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 DEVINE, J.F. Interior, Dept. of, Geological Survey  
 RECIP. NAME RECIPIENT AFFILIATION  
 JACKSON, R.E. Geosciences Branch

SUBJECT: Advises that work of R Lesley re offshore faults does not impact conclusions contained in Suppl 4 of safety evaluation concerning possible connection between San Simeon & Hosgri fault zones.

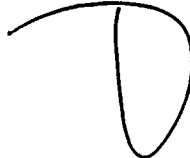
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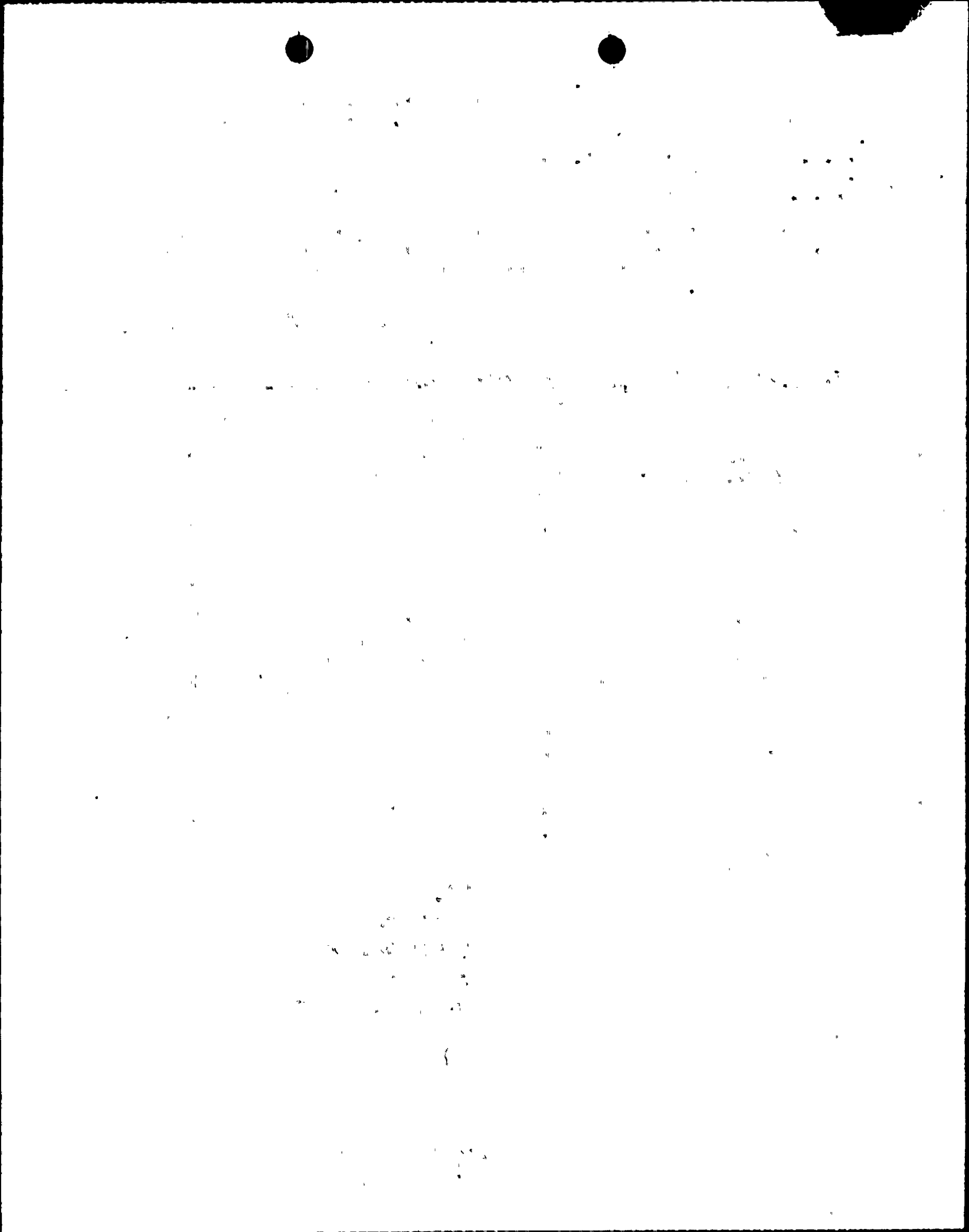
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# United States Department of the Interior

GEOLOGICAL SURVEY  
RESTON, VA. 22092

OFFICE OF THE DIRECTOR

In Reply Refer To:  
EGS-Mail Stop 106

MAR 31 1980

Mr. Robert E. Jackson, Chief  
Geosciences Branch  
Division of Systems Safety  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Bob:

This is in response to your letter of January 24, 1980, in which you request our judgment of the impact of Mr. R. Lesley's work on offshore faults on our evaluation of the possible connection between the San Simeon and Hosgri fault zones.

Your letter correctly summarizes our position on this matter, that is, the assumption was made by us that there is a connection, at depth, of the San Simeon fault with the Hosgri fault. Our review of April 29, 1976, contained in the Nuclear Regulatory Commission Supplement No. 4, to the Safety Evaluation of the Diablo Canyon Nuclear Power Station Units 1 and 2, May 1976, states on page C-14 the following:

"1. The Hosgri fault zone is more than 90 miles long and may even be tectonically coupled to the San Simeon fault as they are within 2.5 miles of each other and both form parts of the eastern boundary of the Santa Maria basin."

Consequently, studies that now make this connection less speculative does not impact our conclusions contained on pp. C-14 to C-17 of above mentioned Supplement No. 4 to the Safety Evaluation.

Sincerely,

James F. Devine  
Acting Assistant Director-Engineering  
Geology

Book  
5/1/80

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