

NW 9720064  
By RM LTA Date 7/25/05

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ENCLOSURE "C"

UCRL-LIVERMORE LABORATORY

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By Authority of the U. S. Atomic Energy Commission  
Per Russell Ball Date Oct 5, 1953  
Document No. EXX-11-6-2B  
September 21, 1953

General Kenneth E. Fields, Director  
Division of Military Application  
U. S. Atomic Energy Commission  
Washington, D. C.

~~RESTRICTED DATA~~

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Dear General Fields:

The University of California Radiation Laboratory proposes to explode two thermonuclear devices at Operation Castle, Pacific Proving Ground, Spring, 1954.



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6/1/04

I. Design



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6/1/04

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW DATE: <u>03/20/05</u>	DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: <u>DAWG, DAWG, DAWG</u>	<input checked="" type="radio"/> 1. CLASSIFICATION CHANGED TO
NAME: <u>Buller, [unclear]</u>	<input type="radio"/> 2. CLASSIFICATION CHANGED TO
2ND REVIEW DATE: <u>10/12/02</u>	<input type="radio"/> 3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: <u>ADD</u>	<input type="radio"/> 4. COORDINATE WITH:
NAME: <u>[unclear]</u>	<input type="radio"/> 5. CLASSIFICATION CANCELLED
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	<input type="radio"/> 7. OTHER SPECIFY: <u>pp. 451-458</u>
ON <u>03/20/05</u> BY <u>RM LTA</u>	
BY <u>Clay</u> DATE <u>5-25-04</u>	

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DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
SINGLE REVIEW AUTHORITY (DOE)	
DOE ORDER: <u>5650.2B</u>	REVIEWER (A/C): <u>[unclear]</u>
NAME: <u>S.R. [unclear]</u>	DATE: <u>5-24-95</u>

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By RM LTA Date 7/25/05

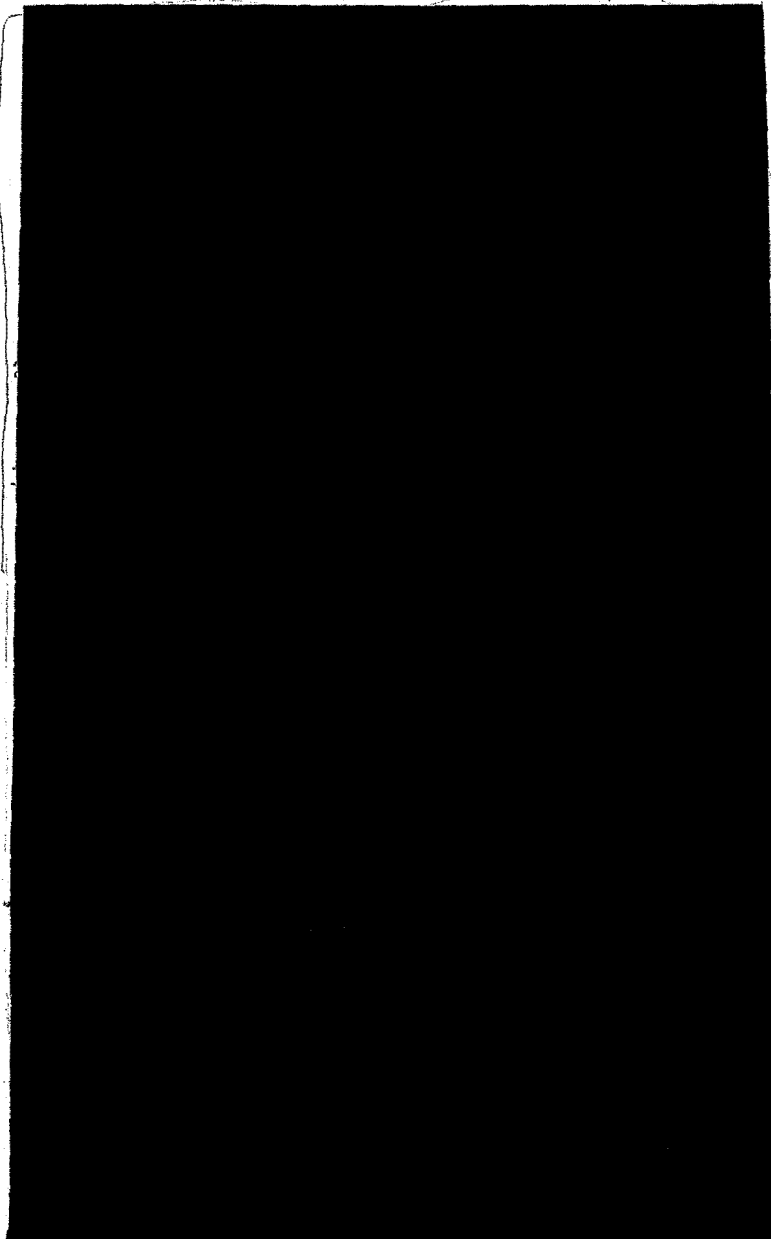
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6401-422-11-26 NW 9720064-

MI 0174 - cited in AEC 544/23

See att. to MAB let. 10-7-53

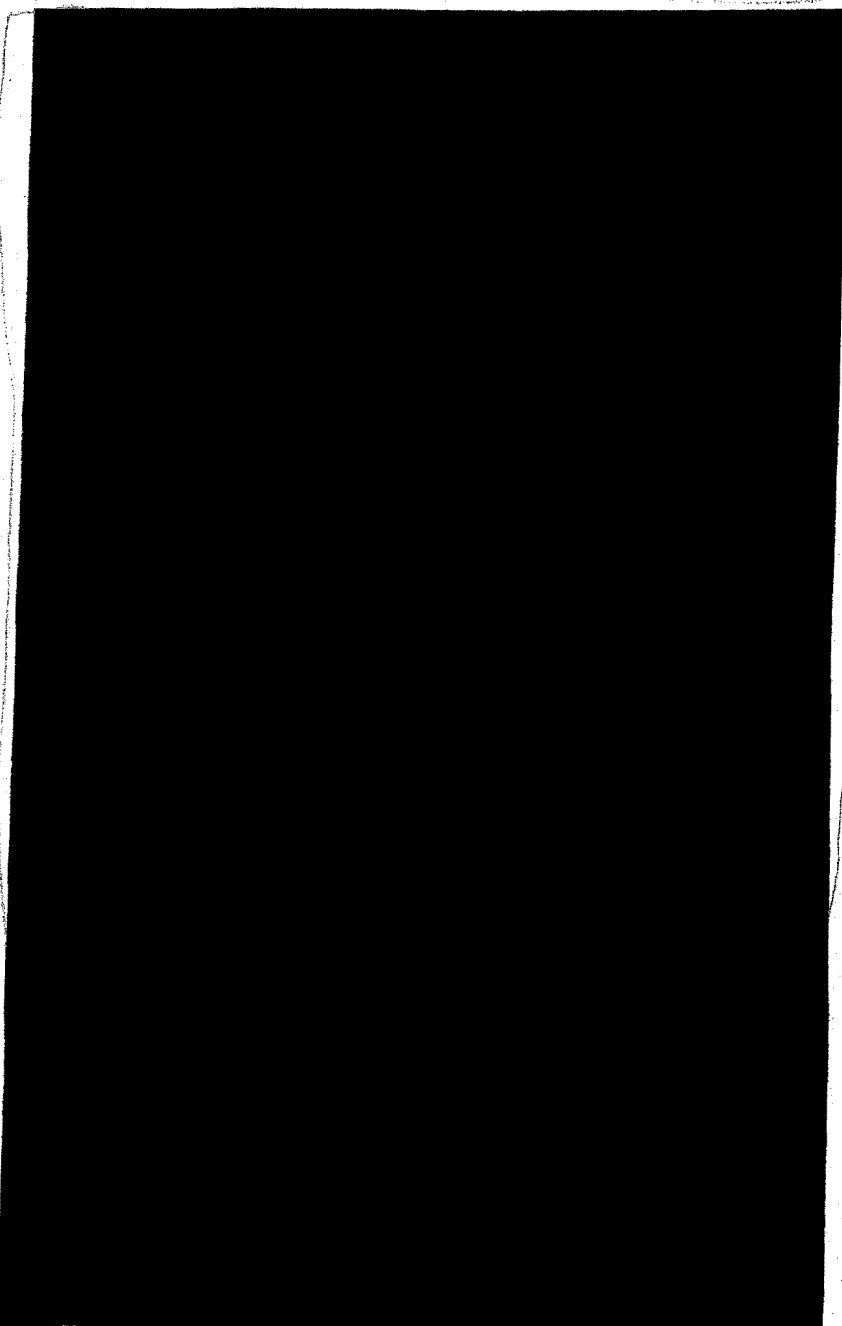
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6/1/94

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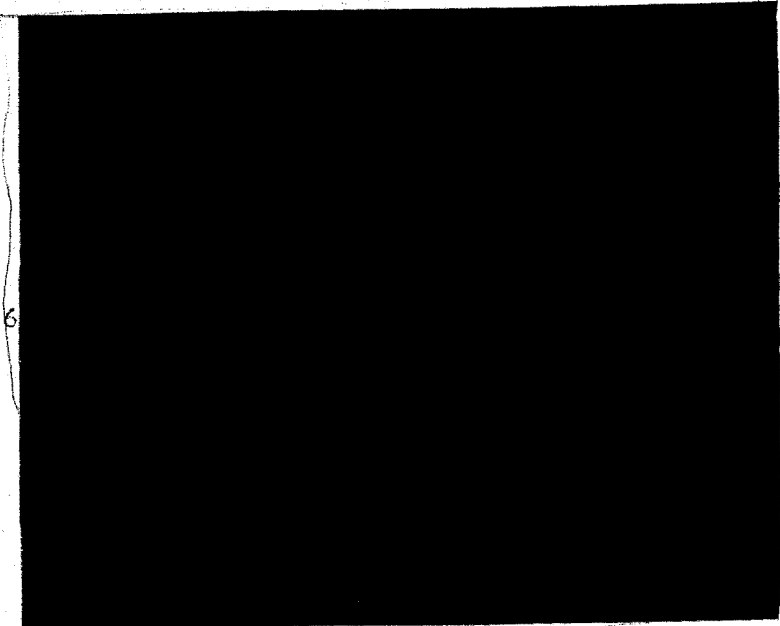
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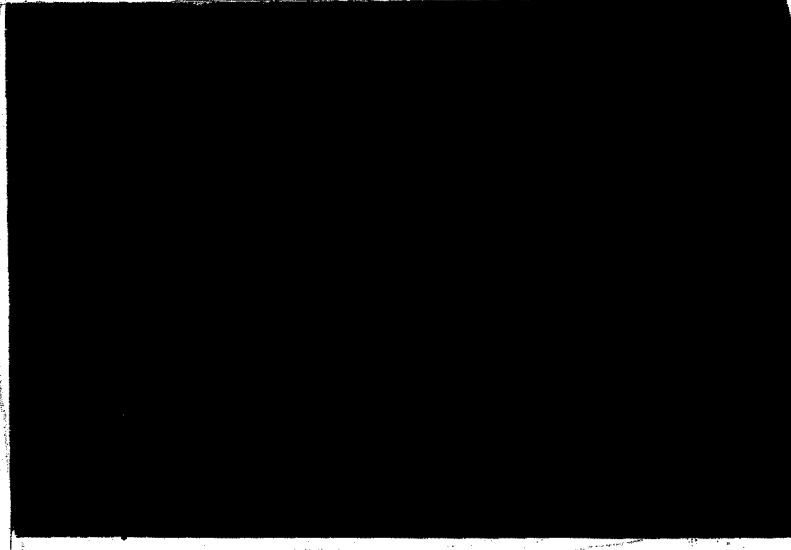
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II. Purpose and Hoped for Results



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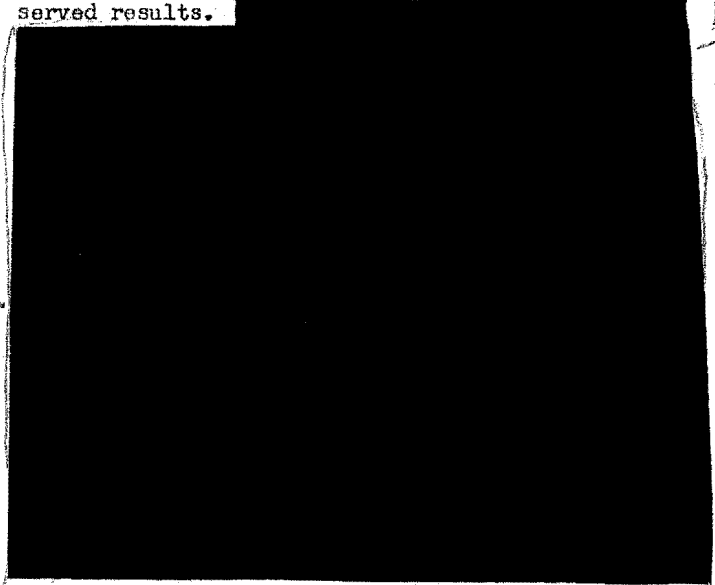
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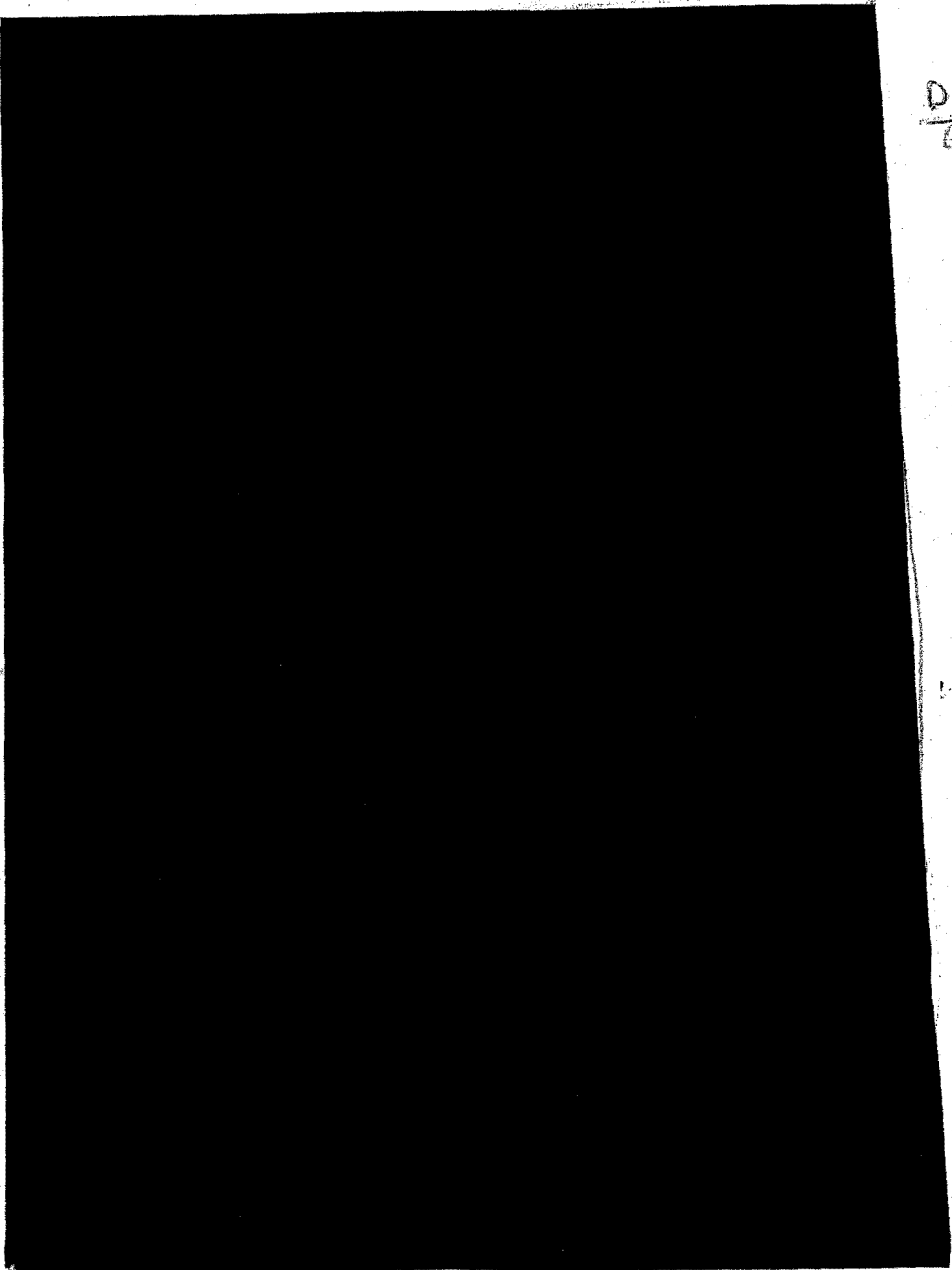
If each of these factors were known, the yield could be calculated quite accurately; however, only the first two can be predicted with even a modest degree of confidence. In addition to the total yield, the rate of reaction and several of the partial contributions to the yield will be measured by appropriate diagnostic experiments. These measurements will allow us to make a beginning at untangling the various factors which produced the observed results.

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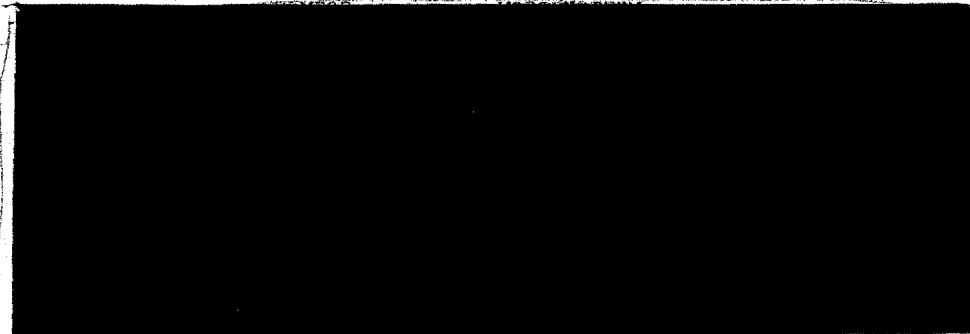


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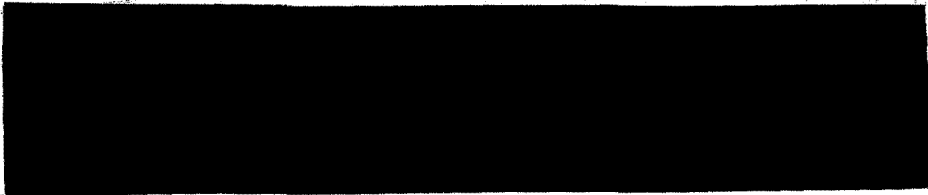
IV. Material Requirements Summary (Expend Material Only)



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6.1 (a)



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6.1 (a)

Sincerely yours,

HERBERT P. YORK

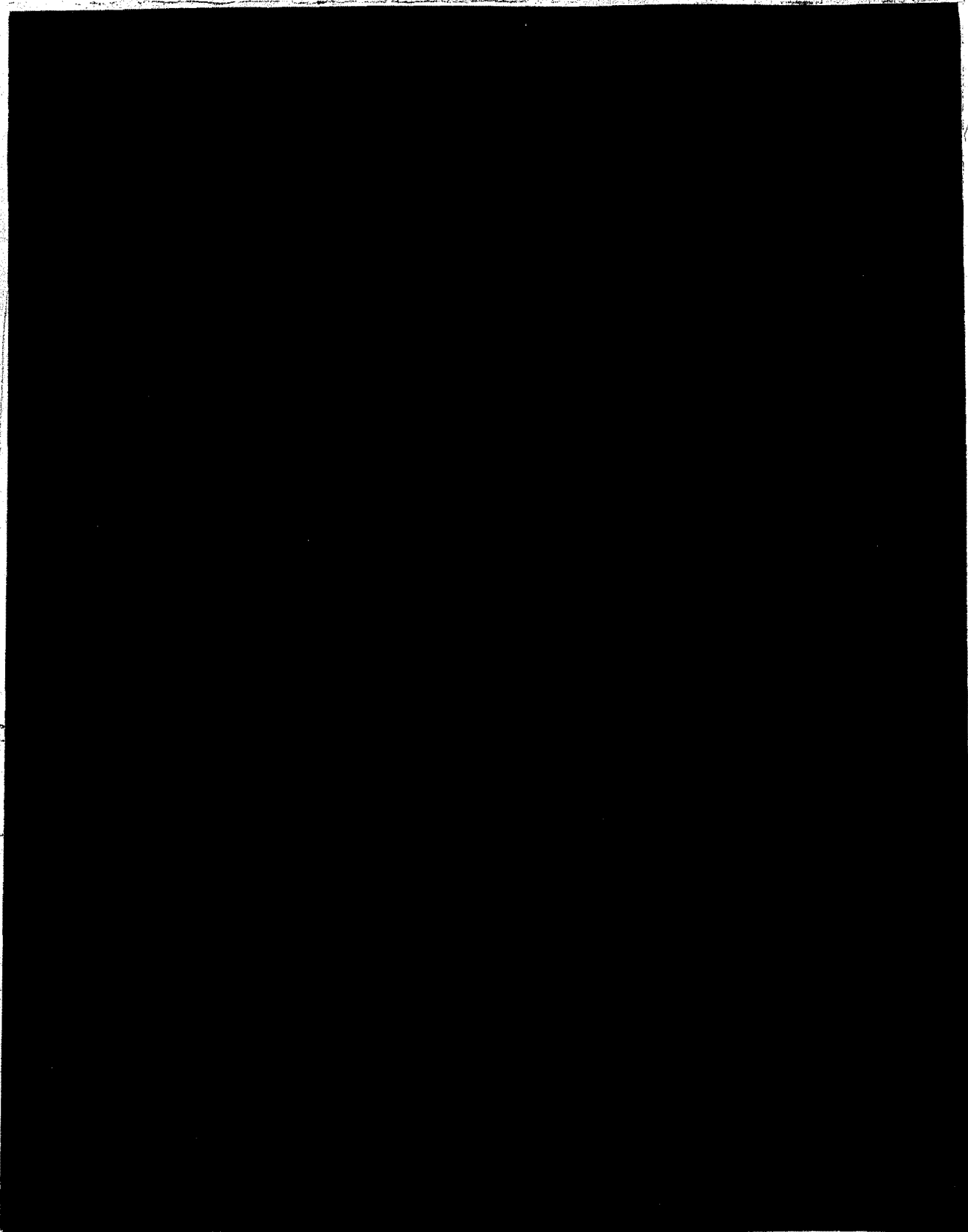
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