



UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

DIVISION OF  
CORPORATION FINANCE

Mailstop 3233

October 31, 2016

Via E-mail

Mr. Richard Lee Phegley, Jr.  
Chief Financial Officer  
Invesco Mortgage Capital Inc.  
1555 Peachtree Street, N.E., Suite 1800  
Atlanta, Georgia 30309

**Re: Invesco Mortgage Capital Inc.  
Form 10-K  
Filed February 22, 2016  
File No. 001-34385**

Dear Mr. Phegley:

We have completed our review of your filing. We remind you that the company and its management are responsible for the accuracy and adequacy of their disclosures, notwithstanding any review, comments, action or absence of action by the staff.

Sincerely,

/s/ Robert F. Telewicz, Jr.

Robert F. Telewicz, Jr.  
Branch Chief  
Office of Real Estate and  
Commodities