



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

DIVISION OF  
CORPORATION FINANCE

July 23, 2014

Via E-mail

Robert C. Reeves  
President and Chief Executive Officer  
Athlon Energy Inc.  
420 Throckmorton Street, Suite 1200  
Fort Worth, Texas 76102

**Re: Athlon Energy Inc.  
Annual Report on Form 10-K for the Fiscal Year Ended December 31, 2013  
Filed March 7, 2014  
File No. 001-36026**

Dear Mr. Reeves:

We have completed our review of your filings. We remind you that our comments or changes to disclosure in response to our comments do not foreclose the Commission from taking any action with respect to the company or the filings and the company may not assert staff comments as a defense in any proceeding initiated by the Commission or any person under the federal securities laws of the United States. We urge all persons who are responsible for the accuracy and adequacy of the disclosure in the filings to be certain that the filings include the information the Securities Exchange Act of 1934 and all applicable rules require.

Sincerely,

/s/H. Roger Schwall for

Anne Nguyen Parker  
Branch Chief