



DIVISION OF  
CORPORATION FINANCE

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549-4628

November 19, 2009

Mr. Stephen C. Taylor  
Chairman and Chief Executive Officer  
Natural Gas Services Group, Inc.  
508 W. Wall St., Suite 550  
Midland, TX 79701

**Re: Natural Gas Services Group, Inc.**  
**Form 10-K for the Fiscal Year Ended December 31, 2008**  
**Filed March 9, 2009**  
**Definitive Proxy**  
**Filed April 27, 2009**  
**File No. 1-31398**

Dear Mr. Taylor:

We have completed our review of your Form 10-K and related filings, and we have no further comments at this time.

Sincerely,

H. Roger Schwall  
Assistant Director

cc: David Thayer, Esq., (303) 573-8133