

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:

cc:

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

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