



DIVISION OF
CORPORATION FINANCE

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, D.C. 20549-7010

April 29, 2009

Via U.S. mail and facsimile

Mr. Ronald D. Mogel
Senior Vice President and Chief Financial Officer
OMNI Energy Services Corp.
4500 NE Evangeline Thwy.
Carencro, LA 70520

**Re: Omni Energy Services Corp.
Preliminary Schedule 14A, Amendment No. 2
Filed April 29, 2009
File No. 0-23383**

Dear Mr. Mogel:

We have completed our review of your Preliminary Schedule 14A and have no further comments at this time.

Sincerely,

H. Roger Schwall
Assistant Director

cc: N. Gholson
Via facsimile: Michelle Earley, Esq. – Locke Lord Bissell & Liddell LLP
(512) 391-4818