

EXHIBIT INDEX

EXHIBIT NO. **DESCRIPTION**

99.1 Press Release dated August 18, 2008

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

ATWOOD OCEANICS, INC.
(Registrant)

/s/ James M. Holland
James M. Holland
Senior Vice President

DATE: August 18, 2008