

Continental Stock Transfer
 17 Battery Place
 New York, NY 10004
 ATTN: Dawn Tapoler

VOTE BY INTERNET - www.proxyvote.com

Use the Internet to transmit your voting instructions and for electronic delivery of information up until 11:59 P.M. Eastern Time the day before the cut-off date or meeting date. Have your proxy card in hand when you access the web site and follow the instructions to obtain your records and to create an electronic voting instruction form.

ELECTRONIC DELIVERY OF FUTURE PROXY MATERIALS

If you would like to reduce the costs incurred by our company in mailing proxy materials, you can consent to receiving all future proxy statements, proxy cards and annual reports electronically via e-mail or the Internet. To sign up for electronic delivery, please follow the instructions above to vote using the Internet and, when prompted, indicate that you agree to receive or access proxy materials electronically in future years.

VOTE BY PHONE - 1-800-690-6903

Use any touch-tone telephone to transmit your voting instructions up until 11:59 P.M. Eastern Time the day before the cut-off date or meeting date. Have your proxy card in hand when you call and then follow the instructions.

VOTE BY MAIL

Mark, sign and date your proxy card and return it in the postage-paid envelope we have provided or return it to Vote Processing, c/o Broadridge, 51 Mercedes Way, Edgewood, NY 11717.

TO VOTE, MARK BLOCKS BELOW IN BLUE OR BLACK INK AS FOLLOWS:

KEEP THIS PORTION FOR YOUR RECORDS
 DETACH AND RETURN THIS PORTION ONLY

THIS PROXY CARD IS VALID ONLY WHEN SIGNED AND DATED.

The Board of Directors recommends you vote FOR the following:

For All	Withhold All	For All Except	To withhold authority to vote for any individual nominee(s), mark "For All Except" and write the number(s) of the nominee(s) on the line below.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____

1. Election of Directors Nominees

01 Deborah A. Beck	02 George S. Dotson	03 Jack E. Golden	04 Hans Helmerich	05 James R. Montague
06 Robert J. Saltiel	07 Phil D. Wedemeyer			

The Board of Directors recommends you vote FOR proposals 2, 3 and 4.

	For	Against	Abstain
2 To approve, by a shareholder non-binding advisory vote, the compensation of our named executive officers.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3 To ratify the appointment of PricewaterhouseCoopers LLP as our independent auditors.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4 In their discretion, the Proxy Holders are authorized to vote upon such other business as may properly come before the meeting.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

For address change/comments, mark here.
 (see reverse for instructions)

Please sign exactly as your name(s) appear(s) hereon. When signing as attorney, executor, administrator, or other fiduciary, please give full title as such. Joint owners should each sign personally. All holders must sign. If a corporation or partnership, please sign in full corporate or partnership name, by authorized officer.

Signature [PLEASE SIGN WITHIN BOX]	Date

Signature (Joint Owners)	Date

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Important Notice Regarding the Availability of Proxy Materials for the Annual Meeting: The Annual Report, Notice & Proxy Statement is/ are available at www.proxyvote.com.

ATWOOD OCEANICS, INC.
Annual Meeting of Shareholders
February 9, 2012 10:00 AM
This proxy is solicited by the Board of Directors

The shareholder(s) hereby appoint(s) Mark L. Mey and Walter A. Baker, or either of them, as proxies, each with the power to appoint (his/her) substitute, and hereby authorizes them to represent and to vote, as designated on the reverse side of this ballot, all of the shares of (Common/Preferred) stock of ATWOOD OCEANICS, INC. that the shareholder(s) is/are entitled to vote at the Annual Meeting of shareholder(s) to be held at 10:00 AM, EST on 2/9/2012, at the Atwood Oceanics, Inc. Corporate Office 15835 Park Ten Place Drive, Houston, Texas 77084 and any adjournment or postponement thereof.

This proxy, when properly executed, will be voted in the manner directed herein. If no such direction is made, this proxy will be voted in accordance with the Board of Directors' recommendations.

Address change / comments:

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(If you noted any Address Changes and/or Comments above, please mark corresponding box on the reverse side.)

Continued and to be signed on reverse side

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