Smith Mark W. Form 4 December 13, 2011

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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Check this box

obligations may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading Smith Mark W.

Symbol

5. Relationship of Reporting Person(s) to

Issuer

ATWOOD OCEANICS INC [ATW]

(Check all applicable)

(First) (Middle) (Last) 3. Date of Earliest Transaction

(Zip)

(Month/Day/Year) 12/09/2011

Director 10% Owner X_ Officer (give title Other (specify

below) below) VP, Corporate Services

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

HOUSTON, TX 77084

(City)

15835 PARK TEN PLACE DRIVE

(State)

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Month/Day/Year) (Instr. 8)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Beneficial Indirect (I) Ownership (Instr. 4) (Instr. 4)

Reported (A) Transaction(s)

or (Instr. 3 and 4)

Code V Amount (D) Price

A

Common 12/09/2011 Stock

3,005 Α (1) 7,441 D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

(9-02)

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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5. Number	6. Date Exercisable and		7. Title and Amount of	
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction Derivative		Expiration Date		Underlying Securities	
Security	or Exercise		any	Code	Securities	(Month/Day/	Year)	(Instr. 3 and	4)
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acquired				
	Derivative				(A) or				
	Security				Disposed of				
					(D)				
					(Instr. 3, 4,				
					and 5)				
						Date Exercisable	Expiration Date	Title	Amount or Number of
				Code V	(A) (D)				Shares
Nonqualified						(0)		Common	
Stock Options	\$ 41.6	12/09/2011		A	7,396	(2)	12/09/2021	Stock	7,396

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Smith Mark W.

15835 PARK TEN PLACE DRIVE VP, Corporate Services

HOUSTON, TX 77084

Signatures

/s/ Mark Smith, Walter A. Baker By Power of Attorney 12/13/2011

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) These shares of common stock were granted as a Restricted Stock Award under the Atwood Oceanics, Inc. Amended and Restated 2007 Long-Term Incentive Plan. One-hundred percent (100%) of the restricted stock award vests at the end of three (3) years.
- These Nonqualified Stock Options were granted under the Atwood Oceanics, Inc. Amended and Restated 2007 Long-Term Incentive (2) Plan. Twenty-five percent (25%) of such options become exercisable at the end of one year, two years, three years, and four years, respectively from the date of grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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