Smith Mark W. Form 4 December 04, 2012

FORM 4

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

OMB Number:

Expires:

3235-0287 January 31,

if no longer subject to Section 16. Form 4 or

Check this box

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

2005 Estimated average burden hours per

OMB APPROVAL

Form 5 obligations may continue.

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

response... 0.5

See Instruction 1(b).

Common

Stock

12/03/2012

(Print or Type Responses)

1. Name and Address of Reporting Person * Smith Mark W.			2. Issuer Name and Ticker or Trading Symbol ATWOOD OCEANICS INC [ATW]						-	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First)	Middle)	3. Date of Earliest Transaction				(Check all applicable)						
15835 PARK TEN PLACE DRIVE			(Month/Day/Year) 12/03/2012							Director 10% OwnerX Officer (give title Other (specify below) VP, Corporate Services			
(Street)			4. If Amendment, Date Original							6. Individual or Joint/Group Filing(Check			
HOUSTON	Filed(Month/Day/Year)							Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting					
HOUSTON, TX 77084										Person			
(City)	(State)	(Zip)	Tabl	e I - Noi	n-D	erivativ	Sec	urit	ties Acq	uired, Disposed o	f, or Beneficial	ly Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Executio any	ned n Date, if Day/Year)	3. Transa Code (Instr.	8)	4. Secur n(A) or I (Instr. 3	Dispo , 4 an (A	sed nd 5 A) r	of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		

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

F

12/03/2012

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

D

6,958

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

483 (1) D

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	of		ate	Amou Under Securi	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
					4, and 5)	Date	Expiration		Amount	
				Code V	(A) (D)	Exercisable	Date	Title	Number of Shares	

Reporting Owners

Relationships Reporting Owner Name / Address

> 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 12/04/2012 Attorney

> **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) Shares automatically withheld and sold upon vesting to satisfy tax withholding obligations.

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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