MONTAGUE JAMES R

Form 4

December 14, 2010

FORM 4

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

OMB 3235-

Expires:

Check this box if no longer subject to

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Number: 3235-0287

January 31,

OMB APPROVAL

subject to Section 16. Form 4 or Form 5 SECURITIES

SECURITIES

Estimated average burden hours per

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

response... 0.5

1(b).

(City)

(State)

(Print or Type Responses)

1. Name and Address of Reporting Person * MONTAGUE JAMES R			2. Issuer Name and Ticker or Trading Symbol ATWOOD OCEANICS INC [ATW]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)			
15835 PARK TEN PLACE DRIVE		E DRIVE	(Month/Day/Year) 12/10/2010	X_ Director 10% Owner Officer (give title below) Other (specify below)			
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
HOUSTON, TX 77084			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			

(Zip)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned
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1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. Transaction	4. Securi		or	5. Amount of Securities	6. Ownership Form: Direct	7. Nature of Indirect
(Instr. 3)		any	Code	Disposed	of (D))	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4 and 5)		Owned	Indirect (I)	Ownership	
							Following	(Instr. 4)	(Instr. 4)
					(A)		Reported		
					(A)		Transaction(s)		
			Code V	Amount		Price	(Instr. 3 and 4)		
Common Stock	12/10/2010		A	2,668	A	<u>(1)</u>	14,060	D	

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

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SEC 1474

(9-02)

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

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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	isable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	onNumber	Expiration Da	ite	Amoun	t of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ies	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	3 and 4)		Owne
	Security				Acquired						Follo
	·				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						,
					4, and 5)						
				C-J- V	(A) (D)	Data	E	T:41-	A		
				Code V	(A) (D)		Expiration				
						Exercisable	Date		or		
									Number		
									of		
									Shares		

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

MONTAGUE JAMES R 15835 PARK TEN PLACE DRIVE X HOUSTON, TX 77084

Signatures

James R. 12/14/2010 Montague

**Signature of Date
Reporting Person

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).

These shares of common stock were granted as a Restricted Stock Award under the Atwood Oceanics, Inc. 2007 Long-Term
Incentive Plan. One-hundred percent (100%) of the restricted stock award vests thirteen months after the date of award unless an election is made to defer vesting to a later date under the Atwood Oceanics, Inc. Nonemployee Directors Elective Deferred
Compensation Plan

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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