

Hall Ronald Lee  
 Form 4  
 April 15, 2010

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
 Expires: January 31, 2005  
 Estimated average burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 Hall Ronald Lee

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)  
 15835 PARK TEN PLACE DRIVE  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 04/14/2010

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
 Vice President - Operations

HOUSTON, TX 77084

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

(City) (State) (Zip)

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

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
			Code	V	Amount (A) or (D) Price		
Common Stock	04/14/2010	04/14/2010	M		4,000 A \$ 12.31	28,426 <sup>(1)</sup>	D
Common Stock	04/14/2010	04/14/2010	M		5,100 A \$ 18.58	28,426 <sup>(1)</sup>	D
Common Stock	04/14/2010	04/14/2010	M		4,000 D \$ 37.06	28,426 <sup>(1)</sup>	D
Common Stock	04/14/2010	04/14/2010	M		5,100 D \$ 37	28,426 <sup>(1)</sup>	D
Common Stock	04/14/2010	04/14/2010	M		3,000 D \$ 37.33	25,426 <sup>(1)</sup>	D

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Common Stock    04/14/2010    04/14/2010    M    4,000    D    \$ 37.39    21,426 <sup>(1)</sup>    D

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

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

SEC 1474  
(9-02)

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

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)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares
Nonqualified Stock Options	\$ 12.31	04/14/2010	04/14/2010	M	4,000	<sup>(3)</sup> 12/01/2014	Common Stock	4,000
Nonqualified Stock Options	\$ 18.58	04/14/2010	04/14/2010	M	5,100	<sup>(4)</sup> 11/30/2015	Common Stock	5,100

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Hall Ronald Lee 15835 PARK TEN PLACE DRIVE HOUSTON, TX 77084			Vice President - Operations	

## Signatures

Ronald Lee Hall                      04/15/2010  
 \*\*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).
- (1) Represents the total number of shares of Common Stock held by the reporting person subsequent to the transactions reported hereby.
- (2) Represents the total number of Nonqualified Stock Options held by the reporting person with the same exercise price, exercised date, and expiration date, subsequent to the transaction reported hereby.
- (3) These options were granted on December 2, 2004 and vested 25% per year commencing at the end of year one, with full vesting on December 1, 2008.
- (4) These options were granted on December 1, 2005 and vested 25% per year commencing at the end of year one, with full vesting on November 30, 2009.

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.