

Jimenez Luis  
 Form 3  
 December 17, 2010

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF 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 *		2. Date of Event Requiring Statement	3. Issuer Name <b>and</b> Ticker or Trading Symbol	
Â Jimenez Luis		(Month/Day/Year)	ATWOOD OCEANICS INC [ATW]	
(Last)	(First)	(Middle)	4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
		12/13/2010		
15835 PARK TEN PLACE			(Check all applicable)	
DRIVE,Â P.O. BOX 218350			_____ Director _____ 10% Owner	
(77418)			__X__ Officer _____ Other	
(Street)			(give title below) (specify below)	
			Vice President, Human Resource	
HOUSTON,Â TXÂ 77084			6. Individual or Joint/Group Filing(Check Applicable Line)	
(City)	(State)	(Zip)	__X__ Form filed by One Reporting Person	
			___ Form filed by More than One Reporting Person	

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	12,383	D	Â

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

SEC 1473 (7-02)

**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.**

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative	5. Ownership Form of Derivative Security:	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)	
Nonqualified Stock Options	Â (1)	12/06/2017	Common Stock	4,672	\$ 44.75	D	Â
Nonqualified Stock Options	Â (1)	12/04/2018	Common Stock	5,250	\$ 14.65	D	Â
Nonqualified Stock Options	Â (1)	12/03/2019	Common Stock	10,279	\$ 35.69	D	Â
Nonqualified Stock Options	Â (1)	12/09/2020	Common Stock	11,012	\$ 37.41	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Jimenez Luis 15835 PARK TEN PLACE DRIVE P.O. BOX 218350 (77418) HOUSTON, TX 77084	Â	Â	Â Vice President, Human Resource	Â

## Signatures

Luis Jimenez                      12/17/2010  
 \_\_Signature of                      Date  
 Reporting Person

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 5(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 options were granted for a term of ten (10) years (pursuant to Atwood Oceanics, Inc. 2007 Plan), with twenty-five (25%) of such options becoming exercisable at each of one (1) year, two (2) years, three (3) years and four (4) 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.