

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 and 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)

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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.