

ENSCO PLC
Reported by
O'NEILL SEAN PATRICK

FORM 5
(Annual Statement of Changes in Beneficial Ownership)

Filed 01/11/10 for the Period Ending 12/31/09

| | |
|-------------|-----------------------------------|
| Telephone | 4402076594660 |
| CIK | 0000314808 |
| Symbol | ESV |
| SIC Code | 1381 - Drilling Oil and Gas Wells |
| Industry | Oil Well Services & Equipment |
| Sector | Energy |
| Fiscal Year | 12/31 |

FORM 5

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

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 Form 3 Holdings Reported
 Form 4 Transactions Reported

ANNUAL 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(f) of the
Investment Company Act of 1940

| | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Name and Address of Reporting Person * O'Neill Sean Patrick <small>(Last) (First) (Middle)</small> 500 N. AKARD STREET, SUITE 4300 <small>(Street)</small> DALLAS, TX 75201-3331 <small>(City) (State) (Zip)</small> | 2. Issuer Name and Ticker or Trading Symbol EnSCO International plc [ESV] 3. Statement for Issuer's Fiscal Year Ended (MM/DD/YYYY) <p align="center">12/31/2009</p> | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) <p align="center">Vice President</p> |
| 4. If Amendment, Date Original Filed (MM/DD/YYYY) | | 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form Filed by One Reporting Person <input type="checkbox"/> Form Filed by More than One Reporting Person |

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

| 1. Title of Security (Instr. 3) | 2. Trans. Date | 2A. Deemed Execution Date, if any | 3. Trans. 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 Indirect Beneficial Ownership (Instr. 4) | |
|-------------------------------------------|---------------------------|-----------------------------------|---------------------------|-------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------|--------------------|
| | | | | Amount | (A) or (D) Price | | | | |
| American Depository Shares ⁽¹⁾ | 12/31/2009 ⁽²⁾ | | A | 54.3609 ⁽³⁾ | A | \$39.16 ⁽⁴⁾ | 54.3609 ⁽²⁾ | I | ENSCO Savings Plan |

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

| 1. Title of Derivate Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Trans. Date | 3A. Deemed Execution Date, if any | 4. Trans. 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 (MM/DD/YYYY) | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) | | 8. Price of Derivative Security (Instr. 5) | 9. Number of Derivative Securities Beneficially Owned at End of Issuer's Fiscal Year (Instr. 4) | 10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|------------------------------------------|--------------------------------------------------------|----------------|-----------------------------------|---------------------------|----------------------------------------------------------------------------------------|-----|------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------|--------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------|
| | | | | | (A) | (D) | | Date Exercisable | Expiration Date | | | | |

Explanation of Responses:

- (1) The American Depository Shares represent Class A Ordinary Shares. The issuer, EnSCO International plc, is successor to ENSCO International Incorporated.
- (2) Amount is representative of EnSCO American Depository Shares acquired, and held indirectly, through normal payroll contributions to the ENSCO Savings Plan as of 12/31/09.
- (3) Amount is representative of EnSCO common stock acquired, and held indirectly, through normal payroll contributions to the ENSCO Savings and Retirement Plans for the months of June through December 2009.
- (4) Price of Securities dependent upon trading price applicable on date of future transactions. The average cost/price is representative of all beneficially, indirectly owned securities acquired via normal payroll contributions to the ENSCO Savings Plan.

Reporting Owners

| | |
|--|---------------|
| | Relationships |
|--|---------------|

| Reporting Owner Name / Address | Director | 10% Owner | Officer | Other |
|----------------------------------------------------------------------------------------------------------------|----------|-----------|-----------------------|-------|
| O'Neill Sean Patrick 500 N. AKARD STREET SUITE 4300 DALLAS, TX 75201-3331 | | | Vice President | |

Signatures

Sean P. O'Neill

1/11/2010

** Signature of Reporting Person

Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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