Lowe Patrick Carey Form 4 August 19, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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Check this box if no longer subject to Section 16. Form 4 or

Form 5 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

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Lowe Patrick Carey Issuer Symbol Ensco plc [ESV] (Check all applicable) (First) (Middle) 3. Date of Earliest Transaction (Last) (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify 6 CHESTERFIELD 08/18/2010 below) GARDENS, 3RD FLOOR Senior Vice President (Street) 6. Individual or Joint/Group Filing(Check

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

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person

LONDON, X0 W1J 5BQ

(State)

(Zip)

(City)

| (- 3) | (*******) | 1 able | 1 - Non-De | rivative S | ecurit | nes Acqui | irea, Disposea oi, | or Beneficially | y Ownea |
|------------|---------------------|--------------------|-----------------------------------|---------------------|-----------|------------|--------------------|-----------------|--------------|
| 1.Title of | 2. Transaction Date | 2A. Deemed | 3. | 4. Securit | ties A | cquired | 5. Amount of | 6. | 7. Nature of |
| Security | (Month/Day/Year) | Execution Date, if | Transaction(A) or Disposed of (D) | | | Securities | Ownership | Indirect | |
| (Instr. 3) | | any | Code | (Instr. 3, 4 and 5) | | | Beneficially | Form: Direct | Beneficial |
| | | (Month/Day/Year) | (Instr. 8) | | | | Owned | (D) or | Ownership |
| | | | | | | | Following | Indirect (I) | (Instr. 4) |
| | | | | | (4) | | Reported | (Instr. 4) | |
| | | | | | (A) | | Transaction(s) | | |
| | | | Code V | Amount | or (D) | Price | (Instr. 3 and 4) | | |
| American | | | | 1,422 | | \$ | | | |
| Depositary | 08/18/2010 | | F | (1) | D | 44.09 | 67,524 | D | |
| Shares | | | | _ | | | | | |

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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| | 2. | 3. Transaction Date | | 4. | 5. | 6. Date Exerc | | 7. Titl | | 8. Price of | 9. Nu |
|--------------------------------------|---|---------------------|---|--------------------------------|--|---------------------|--------------------|------------------------------------|--|--------------------------------------|---|
| Derivative Security (Instr. 3) | Conversion or Exercise Price of Derivative Security | (Month/Day/Year) | Execution Date, if any (Month/Day/Year) | Transact Code (Instr. 8) | orNumber of Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | : | | Amou Under Securi (Instr. | lying | Derivative Security (Instr. 5) | Deriv Secur Bene Own Follo Repo Trans (Instr |
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | | |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Lowe Patrick Carey 6 CHESTERFIELD GARDENS 3RD FLOOR LONDON, X0 W1J 5BQ

Senior Vice President

Signatures

/s/ Robert O. Isaac, by Power of Attorney

08/19/2010

**Signature of Reporting Person

Date

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) Amount is representative of American Depositary Shares surrendered for tax purposes upon vesting of restricted shares which took place on 08/18/2010.

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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