Ensco plc Form 4 June 03, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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Check this box

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

1(b).

(Print or Type Responses)

(Ctata)

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading MOOMJIAN CARY A JR Issuer Symbol Ensco plc [ESV] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title _ Other (specify 500 N. AKARD STREET, SUITE 06/01/2010 below) 4300 Vice President and Secretary (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting DALLAS, TX 75201-3331 Person

(City)	(State) (Z	Table	I - Non-De	rivative S	ecurit	ties Acqu	ired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securi on(A) or Di (Instr. 3,	ispose	d of (D)	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)
American Depositary Shares	06/01/2010		F	2,691 (1)	D	\$ 34.45	32,320	D	
American Depositary Shares	06/01/2010		A	8,283 (2)	A	\$ 35.45	40,603	D	

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

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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. Transact Code (Instr. 8)	ction S S) A (orDerivative		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount o Underlying Securities (Instr. 3 and 4)	
				Code V	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Employee American Depositary Shares Option (Right to	\$ 34.45	06/01/2010		A		12,912 (<u>3)</u>		06/01/2011	06/01/2013	American Depositary Shares	12,9

Reporting Owners

Reporting Owner Name / Address	Relationships							
r g	Director	10% Owner	Officer	Other				
MOOMJIAN CARY A JR 500 N. AKARD STREET SUITE 4300 DALLAS, TX 75201-3331			Vice President and Secretary					

Signatures

Buy)

/s/ by Robert O. Isaac, by Power of Attorney 06/02/2010

**Signature of 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).

Date

- (1) Amount is representative of American Depositary Shares surrendered for tax purposes upon vesting of restricted shares on 06/01/2010, as related to multiple equity grants.
- (2) Amount is representative of an Employee Restricted American Depositary Shares Grant. The Employee Restricted American Depositary Shares Grant vest at a rate of 33.3% per annum on the anniversary date of the grant and is fully vested in three (3) Years.
- (3) Amount is representative of an Employee American Depositary Shares Option Grant. The Employee American Depositary Shares Option Grant vest at a rate of 33.3% per annum on the anniversary date of the grant and is fully vested in three (3) years.

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.

Reporting Owners 2