KELLY THOMAS L II

Check this box

if no longer

subject to

Section 16.

Form 4 or

Form 4 June 03, 2010

FORM 4

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

OMB APPROVAL

OMB 3235-0287 Number:

January 31, Expires: 2005

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Print or Type Responses)

1(b).

(Last)

1. Name and Address of Reporting Person * KELLY THOMAS L II

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

Ensco plc [ESV]

3. Date of Earliest Transaction

(Check all applicable)

500 N. AKARD STREET, SUITE

(First)

(Month/Day/Year) 06/01/2010

X__ Director 10% Owner Other (specify Officer (give title below)

4300

(Middle)

6. Individual or Joint/Group Filing(Check

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

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

DALLAS, TX 75201-3331

(City)	(State) (Z	Table Table	I - Non-De	erivative S	ecuri	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 D (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				` /		36,102	D	
American Depositary Shares	06/01/2010		A	6,675 (2)	A	\$ 34.45	42,777	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	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transactio	onNumber	Expiration D	ate	Amount	t of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underly	ing	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securitie	es	(Instr. 5)	Bene
	Derivative				Securities			(Instr. 3	and 4)		Own
	Security				Acquired						Follo
	•				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
								^	mount		
									mount		
						Date	Expiration	Title N			
						Exercisable	Date	Title Number of			
				C + V	(A) (D)						
				Code V	(A) (D)			S	hares		

Reporting Owners

Reporting Owner Name / Address	Relationships					
1 8	Director	10% Owner	Officer	Other		
KELLY THOMAS L II 500 N. AKARD STREET SUITE 4300 DALLAS, TX 75201-3331	X					

Signatures

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

> **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).
- Amount is representative of American Depositary Shares surrendered for tax purposes upon vesting of restricted shares on 06/01/2010, as **(1)** related to multiple equity grants.
- Amount is representative of a Non-Employee Director Restricted American Depositary Shares Grant. The Non-Employee Director Restricted American Depositary Shares Grant vest at a rate of 20% per annum on the anniversary date of the grant and is fully vested in

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