O'Neill Sean Form 5 January 18, 2												
FORM	5								OMB AP	PROVAL		
-	UNITED	STATES S			D EXCHAN	IGE	COM	MISSION	OMB Number:	3235-0362		
Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction			Washington, D.C. 20549						Expires:	January 31, 2005		
			ATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES					CIAL	Estimated average burden hours per response 1.0			
1(b).	Filed pur ^{oldings} Section 17(a	a) of the Pu	ublic Ut	ility Holdin	ecurities Ex g Company ompany Act	Act o	of 1935					
1. Name and Address of Reporting Person <u>*</u> O'Neill Sean Patrick			2. Issuer Name and Ticker or Trading Symbol Ensco plc [ESV]				5. Relationship of Reporting Person(s) to Issuer					
(Last)	(First) (N	(]	3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) Director					Director	c all applicable)			
500 N. AKA 4300		12/31/2010 Officer (give title Other (specify below) below) Vice President										
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)				6. Ind	6. Individual or Joint/Group Reporting				
								(check a	applicable line)			
DALLAS,Â	TXÂ 75201-333	1						Form Filed by Or form Filed by Mo				
(City)	(State)	(Zip)	Table	e I - Non-Deri	vative Securit	ies Ac	auired.	Disposed of.	or Beneficiall	v Owned		
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deeme Execution I any (Month/Da	med 3. on Date, if Transaction Code		4. Securities Acquir or Disposed of (D) (Instr. 3, 4 and 5) (A)		red (A)	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)		
American Depositary Shares	12/31/2010 <u>(1)</u>	Â		A	Amount 131.7013 (2)	or (D) A	Price \$ 43.4 (3)	4) 186.0622 (1)	I	Ensco Savings Plan		

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number. SEC 2270 (9-02)

 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)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	7. Tit Amou Unde: Secur (Instr	int of rlying	8. Price of Derivative Security (Instr. 5)	9. of D S G B O Eı Is Fi (I:
				(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

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Reporting Owners

Reporting Owner Name / Addre	255	Relationships							
		10% Owner	Officer	Other					
O'Neill Sean Patrick 500 N. AKARD STREET SUITE 4300 DALLAS, TX 75201-33	Â 31	Â	Vice President	Â					
Signatures									
/s/ Sean P. 0 O'Neill	1/18/2011								

<u>**</u>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 Ensco American Depositary Shares acquired, and held indirectly, via the Ensco Savings Plan as of December 31, 2010.
- (2) Amount is representative of Ensco American Depositary Shares acquired, and held indirectly, through normal payroll contributions to the Ensco Savings Plan for the months of January through December 2010.
- (3) Price of Securities dependent upon trading price applicable on date of future transactions. The average cost/price is representative of all benefically, indirectly owned securities acquired via normal payroll contributions to the Ensco Savings Plan.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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.