

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

OMB Number: 3235-0104

Estimated average burden

hours per response: 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person* <u>Cox Stephanie</u> (Last) (First) (Middle) <u>C/O SCHLUMBERGER LIMITED</u> <u>5599 SAN FELIPE 17TH FLOOR</u> (Street) <u>HOUSTON TX 77056</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) 05/01/2009	3. Issuer Name and Ticker or Trading Symbol <u>SCHLUMBERGER LTD /NV/ [SLB]</u> 4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <p style="text-align: center;"><u>VICE PRESIDENT</u></p>	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person
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Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
<u>Common Stock</u>	5,472	D	

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

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
<u>Employee Stock Option (right to buy) w/ tandem Tx w/h right</u>	(1)	07/16/2013	<u>Common Stock</u>	4,030	23.01	D
<u>Employee Stock Option (right to buy) w/ tandem Tx w/h right</u>	(2)	07/21/2014	<u>Common Stock</u>	1,500	32.618	D
<u>Employee Stock Option (right to buy) w/ tandem Tx w/h right</u>	(3)	01/22/2019	<u>Common Stock</u>	5,602	37.845	D
<u>Employee Stock Option (right to buy) w/ tandem Tx w/h right</u>	(4)	04/23/2019	<u>Common Stock</u>	49,141	45.88	D
<u>Employee Stock Option (right to buy) w/ tandem Tx w/h right</u>	(5)	01/18/2016	<u>Common Stock</u>	3,510	54.235	D
<u>Employee Stock Option (right to buy) w/ tandem Tx w/h right</u>	(6)	04/19/2016	<u>Common Stock</u>	3,718	66.03	D
<u>Employee Stock Option (right to buy) w/ tandem Tx w/h right</u>	(7)	01/17/2018	<u>Common Stock</u>	2,601	84.93	D
<u>Incentive Stock Option (right to buy)</u>	(1)	07/16/2013	<u>Common Stock</u>	470	23.01	D
<u>Incentive Stock Option (right to buy)</u>	(8)	04/17/2012	<u>Common Stock</u>	4,102	27.873	D
<u>Incentive Stock Option (right to buy)</u>	(9)	04/18/2011	<u>Common Stock</u>	9,720	31.188	D
<u>Incentive Stock Option (right to buy)</u>	(10)	01/19/2015	<u>Common Stock</u>	3,000	32.455	D
<u>Incentive Stock Option (right to buy)</u>	(11)	04/19/2010	<u>Common Stock</u>	4,000	36.516	D
<u>Incentive Stock Option (right to buy)</u>	(3)	01/22/2019	<u>Common Stock</u>	2,398	37.845	D
<u>Incentive Stock Option (right to buy)</u>	(4)	04/23/2019	<u>Common Stock</u>	859	45.88	D
<u>Incentive Stock Option (right to buy)</u>	(5)	01/18/2016	<u>Common Stock</u>	2,490	54.235	D
<u>Incentive Stock Option (right to buy)</u>	(6)	04/19/2016	<u>Common Stock</u>	1,282	66.03	D
<u>Incentive Stock Option (right to buy)</u>	(7)	01/17/2018	<u>Common Stock</u>	2,399	84.93	D

Explanation of Responses:

1. This option becomes exercisable in four equal annual installments beginning July 16, 2004.

2. This option becomes exercisable in four equal annual installments beginning July 21, 2005

3. This option becomes exercisable in five equal annual installments beginning January 22, 2010.
4. This option becomes exercisable in five equal annual installments beginning April 23, 2010.
5. This option becomes exercisable in four equal annual installments beginning January 18, 2007.
6. This option becomes exercisable in five equal annual installments beginning April 19, 2007.
7. This option becomes exercisable in five equal annual installments beginning January 17, 2009.
8. Exercisable in five equal annual installments beginning April 17,2003.
9. The options become exercisable in five equal installments beginning April 18, 2002.
10. This option becomes exercisable in four equal annual installments beginning January 19, 2006.
11. The option became exercisable in five equal annual installments beginning April 19,2001.

By: Janet B. Glassmacher

Attorney-in-Fact For:

Stephanie Cox

05/07/2009

** 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 5 (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.

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 Number.

SCHLUMBERGER LIMITED

POWER OF ATTORNEY

The undersigned in her capacity as a director or officer or both of Schlumberger Limited, a Netherlands Antilles corporation (the "Company"), does hereby appoint Janet B. Glassmacher and Lynda M. Quagliara, and each of them severally, her true and lawful attorney-in fact with power to act with or without the other and with full power of substitution and resubstitution, to execute for her and in her name, place and stead, in her capacity as a director or officer or both of the Company, a statement of beneficial ownership on Form 3, Form 4, Form 5 or Form 144, and to file the same or cause the same to be filed with the Securities and Exchange Commission. This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4, 5 and 144.

April 24, 2009

/s/ Stephanie Cox
Stephanie Cox