

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

OMB APPROVAL	
OMB Number:	3235-0287
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1. Name and Address of Reporting Person* <u>GRIJALVA VICTOR</u> (Last) (First) (Middle) <u>BUILDING F, 7TH FLOOR</u> <u>CHEMIN DE BLANDONNET 2</u> (Street) <u>VERNIER V8 1214</u> (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>Transocean Ltd. [RIG]</u>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director 10% Owner Officer (give title below) Other (specify below)
	3. Date of Earliest Transaction (Month/Day/Year) <u>08/27/2009</u>	
	4. If Amendment, Date of Original Filed (Month/Day/Year)	

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			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)
			Code	V	Amount	(A) or (D)	Price			
Registered Shares	08/27/2009		M		3,756	A	\$35.87	21,576	D	
Registered Shares	08/27/2009		M		3,756	A	\$53.04	25,332	D	
Registered Shares	08/27/2009		M		5,635	A	\$38.52	30,967	D	
Registered Shares	08/27/2009		M		5,635	A	\$21.15	36,602 ⁽¹⁾	D	
Registered Shares								1,427 ⁽¹⁾	I	By wife

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. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date						Title
Stock Options	\$35.87	08/27/2009		M			3,756	(2)	12/30/2009	Registered Shares	3,756	\$0	0	D	
Stock Options	\$53.04	08/27/2009		M			3,756	(2)	05/10/2010	Registered Shares	3,756	\$0	0	D	
Stock Options	\$38.52	08/27/2009		M			5,635	(2)	05/08/2012	Registered Shares	5,635	\$0	0	D	
Stock Options	\$21.15	08/27/2009		M			5,635	(2)	05/07/2013	Registered Shares	5,635	\$0	0	D	

Explanation of Responses:

1. On December 19, 2008, Transocean Ltd., a Swiss corporation, became the successor of Transocean Inc., a Cayman Islands company, pursuant to a merger by way of schemes of arrangement under Cayman Islands law (the "Transaction") in which each holder of Transocean Inc. ordinary shares outstanding immediately prior to the Transaction received one registered share of Transocean Ltd. in exchange for each outstanding ordinary share of Transocean Inc. The Transaction had the effect of changing the place of incorporation of Transocean's group holding company from the Cayman Islands to Switzerland but did not alter the proportionate interests of security holders.

2. The options are fully vested and exercisable.

Remarks:

Margaret C. Fitzgerald by 08/28/2009
Power of Attorney

** 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 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).

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.