

COMPASS MINERALS INTERNATIONAL INC  
 Form 4  
 March 16, 2010

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 UNDERDOWN RODNEY L

2. Issuer Name and Ticker or Trading Symbol  
 COMPASS MINERALS INTERNATIONAL INC [CMP]

5. Relationship of Reporting Person(s) to Issuer  
 (Check all applicable)  
 \_\_\_ Director \_\_\_ 10% Owner  
 Officer (give title below) \_\_\_ Other (specify below)  
 Vice President & CFO

(Last) (First) (Middle)  
 C/O COMPASS MINERALS INTERNATIONAL INC, 9900 WEST 109TH STREET, SUITE 600  
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)  
 03/12/2010

OVERLAND PARK, KS 66210  
 (City) (State) (Zip)

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 \_\_\_ Form filed by More than One Reporting Person

**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 Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock	03/12/2010		M	3,300 A	\$ 0	52,729	D
Common Stock	03/15/2010		S	3,300 D	80.48	49,429	D
Common Stock					159	(2)	I Company 401 (k) Plan

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

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(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)	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 Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Unit	\$ 0	03/12/2010		M	3,300	03/12/2010	03/12/2010	Common Stock	3,300
Restricted Stock Unit	\$ 0					03/10/2011	03/10/2011	Common Stock	2,540
Restricted Stock Unit	\$ 0					03/10/2012	03/10/2012	Common Stock	2,750
Restricted Stock Unit	\$ 0					03/10/2013	03/10/2013	Common Stock	1,970
Stock Option (Right to Buy)	\$ 25.69					01/23/2007	01/23/2013	Common Stock	14,000
Stock Option (Right to Buy)	\$ 33.44					03/12/2008	03/12/2014	Common Stock	10,000
Stock Option (Right to Buy)	\$ 55.12					03/10/2009	03/10/2015	Common Stock	8,070
Stock Option (Right to Buy)	\$ 58.99					03/10/2010	03/10/2016	Common Stock	8,450
Stock Option (Right to Buy)	\$ 78.51					03/10/2011	03/10/2017	Common Stock	5,520
Performance Share Unit	\$ 0					03/10/2013	03/10/2013	Common Stock	509

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
UNDERDOWN RODNEY L C/O COMPASS MINERALS INTERNATIONAL INC 9900 WEST 109TH STREET, SUITE 600 OVERLAND PARK, KS 66210			Vice President & CFO	

## Signatures

/s/ Robert E. Marsh as Attorney-in-Fact	03/16/2010
**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).  
The 3,300 shares were traded in blocks ranging in price from \$80.27 to \$80.59. \$80.48 is the weighted average price. Information  
(1) regarding the number of shares sold at each separate price is available upon request by the SEC staff, the issuer, or any security holder of the issuer.  
(2) The information in this report is based on a 401(k) plan statement dated as of 03-10-10.  
(3) All Restricted Stock Units have a conversion price of \$0.00.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.  
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