Instruction 1(b)

FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

1. Name and Address of Reporting Person

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT	OF CHANGES	IN BENEFICIAL	OWNERSHIP
STATEMENT	OF CHANGES	IN DENEFICIAL	OWNERSHIP

OMB APPROVAL OMB Number: Estimated average burden hours per response: 0.5

5. Relationship of Reporting Person(s) to Issuer

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

2. Issuer Name and Ticker or Trading Symbol

CAVE GEORGE H			ON SEMICONDUCTOR CORP [ONNN]						(Che	ck all applic	or	10% C				
(Last) 5005 EA	`	irst) WELL ROAD	(Middle)		3. Date of Earliest Transaction (Month/Day/Year) 02/23/2007 4. If Amendment, Date of Original Filed (Month/Day/Year)							7	Officer (give title below) SVP, G Couns		below)	
(Street) PHOENI	X A	Z	85008									6. In Line) C Form fi	Form filed by More than One Reporting		
(City)	(S	tate)	(Zip)								1 013011					
		Tak	le I - Noi	n-Deriv	ative S	ecurities Acc	uired,	Dis	posed o	f, or	Bene	ficiall	y Owned			
1. Title of Security (Instr. 3)			2. Transa Date (Month/D		3. Transaction Dispose Code (Instr. 8)		Disposed	rities Acquired (A) or ed Of (D) (Instr. 3, 4 and		5. Amount of Securities Beneficially Owned Following	es ally Following	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership			
						Code	v	Amount	((A) or (D)	Price	Reported Transact (Instr. 3	ion(s)		(Instr. 4)	
Common				02/23	/2007		М		30,000)	A	\$3.22	44,0	000(1)	D	
Common				02/23	/2007		S		100		D	\$10.53	3 43,	900	D	
Common				02/23	/2007		S		900		D	\$10.5 ⁴	43,	,000	D	
Common				02/23	/2007		S		1,300		D	\$10.55	41,	,700	D	
Common				02/23	/2007		S		1,700		D	\$10.52	2 40,	,000	D	
Common				02/23	/2007		S		3,000		D	\$10.59	37,	,000	D	
Common		02/23	/2007		S		3,200		D	\$10.57	7 33,800		D			
Common		02/23	/2007		S		3,800		D	\$10.58	30,000		D			
Common	Common 02/2.		02/23	/2007		S		16,000)	D \$10.51		14,	14,000			
						curities Acqu lls, warrants,							Owned			
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deeme Execution if any (Month/Day	Date, T	ransaction ode (Instr	n of	6. Date E Expiratio (Month/D	n Date	·	of Se Unde Deriv	le and A ecurities erlying vative Se r. 3 and 4	curity	8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficial Owned Following Reported Transactio (Instr. 4)	Ownershi Form: Direct (D) or Indirect (I) (Instr. 4	Beneficial Ownership (Instr. 4)

Explanation of Responses:

\$3.22

- 1. This balance has been increased by a de minimus number of fractional shares (i.e., .393 shares) owned by the Reporting Person.
- 2. Option was originally granted effective January 24, 2002 under the Issuer's Stock Incentive Plan. Generally, the grant provides for pro rata vesting of 25% per year on each of the first through fourth anniversaries of the grant date. The exercise price was the closing price on the grant date.

30,000

Date

Exercisable

01/24/2003

Expiration

01/24/2012

Title

Common

Remarks:

Stock Option

(right to

Judith A. Boyle is signing on behalf of the Reporting Person pursuant to a Power of Attorney attached herein as an exhibit., cave2006poa.TXT

Code

M

(A) (D)

> Judith A. Boyle, Attorney-in-**Fact**

Amount Number

30,000

\$0

02/27/2007

20,000

D

** 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).

02/23/2007(2)

** 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.

POWER OF ATTORNEY (G. Sonny Cave)

I hereby appoint Keith D. Jackson, Donald A. Colvin, and Judith A. Boyle, and each of them, attorney-in-fact for me, each with full power of substitution,

to prepare, execute and deliver on my behalf reports required to be filed by me pursuant to Section 16 of the Securities Exchange Act of 1934, as amended ("Section 16"), and Rule 144 and Rule 145 under the Securities Act of 1933 (singly or collectively ("Rule 144")). Among other things, each attorneyin-fact is authorized to file original reports (either electronically or otherwise), signed by me or on my behalf, on Forms 3, 4 and 5, and Form 144 with

the Securities and Exchange Commission, and to provide any necessary copies of such signed forms to The NASDAQ Stock Market and ON Semiconductor Corporation as

required by the rules under Section 16 and Rule 144 as in effect from time to time.

This power of attorney is effective from the date hereof until April 15, 2007, unless earlier revoked or terminated.

/s/ G. Sonny Cave G. Sonny Cave

Dated: March 15, 2006

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