FORM 4	4
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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).

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

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)											
1. Name and Address of Reporting Person – MARXE AUSTIN W & GREENHOUSE DAVID M			2. Issuer Name and Ticker or Trading Symbol TEGAL CORP /DE/ [TGAL]						5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director		
(Last) (First) (Middle) C/O SPECIAL SITUATIONS FUNDS, 527 MADISON AVENUE, SUITE 2600			3. Date of Earlies 07/13/2006	st Transact	tion ((Month/D	ay/Ye				
(Street) NEW YORK, NY 10022			4. If Amendment	t, Date Ori	ginal	l Filed(Mo	nth/Day	6. Individual or Joint/Group Filing(Check Applicable Line) _X_Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(City) (State) (Zip) Table I - Non-Derivative Securities Acq					uired, Disposed of, or Beneficially Owned					
1.Title of Security (Instr. 3)			Execution Date, if		v	(A) or D (Instr. 3,	or Disposed of (D) E str. 3, 4 and 5) F		5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	Form: Direct (D) or Indirect (I)	Beneficial Ownership
Common Stock		07/13/2006		P	v	Amount 64,335	()	Price \$ 0.3551	23,534,399	11	By Limited Partnerships
Common Stock		07/14/2006		Р		68,658 <u>(1)</u>	А	\$ 0.3654	23,603,057 (1)	I <u>(1)</u>	By Limited Partnerships (1)

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

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SEC 1474 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned

	(e.g., puts, calls, warrants, options, convertible securities)																
1. Title of	2.	3. Transaction	3A. Deemed	4.		5. Nu	mber	6. Date Exer	rcisable	7. Tit	tle and	8. Price of	9. Number of	10.	11. Nature		
Derivative	Conversion	Date	Execution Date, if	Transactio	on	of		and Expiration Date		Amo	unt of	Derivative	Derivative	Ownership	of Indirect		
Security	or Exercise	(Month/Day/Year)	any	Code		Deriv	ative	(Month/Day/Year)		(Month/Day/Year)		Unde	rlying	Security	Securities	Form of	Beneficial
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)		Secur	ities			Securities		(Instr. 5)	Beneficially	Derivative	Ownership		
	Derivative					Acqu	ired			(Instr	: 3 and		Owned	Security:	(Instr. 4)		
	Security					(A) o	r			4)			Following	Direct (D)			
						Dispo	osed						Reported	or Indirect			
						of (D	· · · · · · · · · · · · · · · · · · ·						Transaction(s)	< / <			
						(Instr							(Instr. 4)	(Instr. 4)			
						4, and	15)										
											Amount						
								Date	Expiration		or						
								Exercisable	*	Title	Number						
								Excretisable	Date		of						
				Code	V	(A)	(D)				Shares						

Reporting Owners

Reporting Owner Name / Address	Relationships							
		10% Owner	Officer	Other				
MARXE AUSTIN W & GREENHOUSE DAVID M C/O SPECIAL SITUATIONS FUNDS 527 MADISON AVENUE, SUITE 2600 NEW YORK, NY 10022		Х						

Signatures

Austin W. Marxe	07/17/2006
**Signature of Reporting Person	Date
David M. Greenhouse	07/17/2006
***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).

This is a joint filing by Austin W. Marxe (Marxe) & David M. Greenhouse (Greenhouse). They share voting and investment control over all securities owned by Special Situations Fund III QP, L.P. (QP), Special Situations Cayman Fund, L.P. (Cay), Special Situations Private Equity Fund, L.P. (PE), Special Situations Technology Fund, L.P. (Tech) & Special Situations Technology II, Fund, L.P. (Tech II), respectively. 7,656,299 shares of CS, 3,776,649 Wts are held by QP, 2,101,323 shares of CS,

(1) LP (Tech) & Special Situations Technology II, Fund, L.P. (Tech II), respectively. 7,656,299 shares of CS, 5,776,649 wts are neid by QP, 2,101,325 shares of CS, 1,038,462 Wts with varying terms are held by Cay, 2,211,503 shares of CS, 1,816,712 Wts with varying terms are held by PE, 412,650 shares of CS, 287,292 Wts with varying terms are held by Tech & 2,602,212 shares of CS, 1,699,955 Wts with varying terms are held by Tech & 2,602,212 shares of CS, 1,699,955 Wts with varying terms are held by Tech Marxe and Greenhouse in the shares of Common Stock owned by QP, Cay, PE, Tech, and Tech II is limited to the extent of his pecuniary interest.

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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