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

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

Name and Address of Reporting Person* Moyer James C				2. Issuer Name and MONOLITHIC				NC	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director 10% Owner					
(Last) 6409 GUADA	(First) LUPE MINES	3. Date of Earliest To 08/21/2008	ransactio	n (Mo	nth/Day/Yea		X Officer (give title Other (spe below) below) Chief IC Design Engineer							
(Street) SAN JOSE (City)	CA (State)	4. If Amendment, Da	ate of Oriç	ginal I	Filed (Month/I	Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person								
		Table I	- Non-Deriva	tive Securities A	Acquire	d, D	isposed o	of, or E	3enefi	cial	ly Owned			
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Yea	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4 5)				5. Amount of Securities Beneficially Owned 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 Transaction(s) (Instr. 3 and 4)	(IIIStr. 4)	(Instr. 4)	
Common Stock	C		08/21/2008		S ⁽¹⁾		200	D	\$23.0	04	6,149	I	by Moyer FamilyTrus	
Common Stock	ζ		08/21/2008		S ⁽¹⁾		100	D	\$23.0	45	6,049	I	by Moyer FamilyTrus	
Common Stock	ζ		08/21/2008		S ⁽¹⁾		400	D	\$23.0	05	5,649	I	by Moyer FamilyTrus	
Common Stock	ζ		08/21/2008		S ⁽¹⁾		200	D	\$23.0	55	5,449	I	by Moyer FamilyTrus	
Common Stock	K		08/21/2008		S ⁽¹⁾		139	D	\$23.0	06	5,310	I	by Moyer FamilyTrus	
Common Stock	ς.		08/21/2008		S ⁽¹⁾		200	D	\$23.0	65	5,110	I	by Moyer FamilyTrus	
Common Stock	K		08/21/2008		S ⁽¹⁾		100	D	\$23.0	07	5,010	I	by Moyer FamilyTrus	
Common Stock	X.		08/21/2008		S ⁽¹⁾		200	D	\$23.0	80	4,810	I	by Moyer FamilyTrus	
Common Stock	K		08/21/2008		S ⁽¹⁾		100	D	\$23.0	09	4,710	I	by Moyer FamilyTrus	
Common Stock	X.		08/21/2008		S ⁽¹⁾		100	D	\$23.	.1	4,610	I	by Moyer FamilyTrus	
Common Stock	ζ		08/21/2008		S ⁽¹⁾		100	D	\$23.1	15	4,510	I	by Moyer FamilyTrus	
Common Stock	ς.		08/21/2008		S ⁽¹⁾		100	D	\$23.	12	4,410	I	by Moyer FamilyTrus	
Common Stock	ς.		08/21/2008		S ⁽¹⁾		200	D	\$23.1	25	4,210	I	by Moyer FamilyTrus	
Common Stock	ς.		08/21/2008		S ⁽¹⁾		100	D	\$23.	14	4,110	I	by Moyer FamilyTrus	
Common Stock	K		08/21/2008		S ⁽¹⁾		100	D	\$23.	16	4,010	I	by Moyer FamilyTrus	
Common Stock	ζ.		08/21/2008		S ⁽¹⁾		100	D	\$23.	17	3,910	I	by Moyer FamilyTrus	

		Tabl	e I - Non-Deriv	ative	Secu	ırities	Acqı	uired,	, Di	sposed o	f, or E	Beneficia	Ily Own	ed				
1. Title of Security (Instr. 3)			2. Transaction Date (Month/Day/Ye	ear) if a	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)			Beneficially Owned		6. Ownership Form: Direct (D) or Indirect (I)		7. Nature of Indirect Beneficial Ownership	
							Cod	de V	,	Amount	(A) or (D) Price		Following Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)		(Instr. 4)	
Common Stock			08/21/2008)8			S ⁽	(1)		100	D \$23.32		3,810				by Moyer FamilyTrust	
Common Stock			08/21/2008)8			S(S ⁽¹⁾		100	D	\$23.33	3,710		I		by Moyer FamilyTrust	
Common Stock													890,	,569]	D		
Common Stock													518,	504		I	By Jointly w/Spouse	
		Та	ble II - Derivat (e.g., pu							oosed of, convertib			y Owned	ļ				
1. Title of Derivative Security (Instr. 3)	Conversion Date or Exercise (Month/Day/Year)			Code (I	5. Numbord of Derivative Acquire (A) or Dispose of (D) (Instr. 3 and 5)		ive (ies ed	6. Date Expirati	ion		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Numl derivati Securiti Benefic Owned Followi Reporte Transac (Instr. 4	ve es ially ng ed ction(s)	10. Ownersh Form: Direct (E or Indire (I) (Instr. 4)	Beneficial Ownership ct (Instr. 4)	
				Code	v	(A) (Date Exercisa	able	Expiration Date	Title	Amount or Number of Shares						

Explanation of Responses:

1. In accordance with the reporting person's 10b5-1 trading plan.

By: Rick Neely For: James Moyer

08/21/2008

** Signature of Reporting Person

Date

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

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.

 $^{^{\}star}$ 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).