

**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* <b>STEINER MITCHELL SHUSTER</b>			2. Issuer Name and Ticker or Trading Symbol <b>GTX INC /DE/ [ GTXI ]</b>			5. Relationship of Reporting Person(s) to Issuer (Check all applicable) <input checked="" type="checkbox"/> Director <input checked="" type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) <b>Chief Executive Officer</b>		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) <b>07/31/2006</b>					
3 N. DUNLAP STREET 3RD FLOOR			4. If Amendment, Date of Original Filed (Month/Day/Year)			6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person		
(Street)								
<b>MEMPHIS</b>	<b>TN</b>	<b>38163</b>						
(City)	(State)	(Zip)						

**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			
Common Stock	07/31/2006		S <sup>(1)</sup>		6,900	D	\$8.4813 <sup>(2)</sup>	200,100	I	By Joint Account <sup>(3)</sup>
Common Stock	08/01/2006		S <sup>(1)</sup>		6,900	D	\$8.5375 <sup>(4)</sup>	193,200	I	By Joint Account <sup>(3)</sup>
Common Stock								26,500	D	
Common Stock								26,500	I	By Wife
Common Stock								4,409,862	I	By LLC
Common Stock								198,425	I	By GRAT
Common Stock								100,215	I	By Trust
Common Stock								100,215	I	By Trust
Common Stock								100,215	I	By Trust
Common Stock								100,215	I	By Trust

**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					

**Explanation of Responses:**

- The sales reported in this Form 4 were effectuated pursuant to a Rule 10b5-1 trading plan adopted by the reporting person and his wife on February 23, 2006.
- An aggregate of 6,900 shares were sold on July 31, 2006 at purchase prices ranging from \$8.37 to \$8.73.
- Joint account held in the name of the reporting person and his wife.
- An aggregate of 6,900 shares were sold on August 1, 2006 at purchase prices ranging from \$8.41 to \$8.75.

**Remarks:**

/s/ Henry P. Doggrell, by 08/02/2006  
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.