SEC Form 4
------------

Common Stock

## FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

OMB APPROVAL

	OMB Number:	3235-0287									
Estimated average burden											
	hours per response:	0.5									

by Kellie L. Banks

LTT<sup>(1)</sup> by Sr. Staff

2015(1) by Staff

2015(1) by

Parkview 2020(1) by

Spouse by

Kapital

Lotus<sup>(1)</sup>

Joe<sup>(1)</sup> by

Ι

I

Ι

I

Ι

Ι

I

453,731

1,015,604

1,015,626

1,000,000

1,144,481

13,520,789

1,403

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).  $\Box$ 

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934

			Filed		Section 30(h) of the								^	
1. Name and Address of Reporting Person <sup>*</sup> KIRK RANDAL J (Last) (First) (Middle) C/O THIRD SECURITY, LLC 1881 GROVE AVENUE					2. Issuer Name and Ticker or Trading Symbol 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)   X Director X 10% Owner									
					ate of Earliest Tran 27/2023	saction	(Mont	h/Day/Year)		Officer (give title below)	Other below	er (specify ow)		
(Street) RADFORD	VA	4. lf	Amendment, Date	of Origi	nal Fil	ed (Month/Day/	Line)	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)	(State)	(Zip)												
	Та	ble I - N	on-Deriva	tive	Securities Ac	quire	d, Di	sposed of,	or Ber	eficiall	y 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 Ad Disposed Of (D	cquired ( )) (Instr. 3	A) or 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect g (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership	
						Code	v	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		(Instr. 4)	
Common Stock			01/27/2023			Р		11,428,571	A	\$1.75	31,129,164	I	by R.J. Kirk DOT <sup>(1)</sup>	
Common Stock											490,401	Ι	by JPK 2008 <sup>(1)</sup>	
Common Stock											3,703,398	Ι	by JPK 2009 <sup>(1)</sup>	
Common Stock											1,654,363	Ι	by JPK 2012 <sup>(1)</sup>	
Common Stock											489,438	Ι	by MGK 2008 <sup>(1)</sup>	
Common Stock											3,944,437	Ι	by MGK 2009 <sup>(1)</sup>	
Common Stock											1,637,040	Ι	by MGK 2011 <sup>(1)</sup>	
Common Stock											578,079	Ι	by ZSK 2008 <sup>(1)</sup>	
Common Stock											351,120	Ι	by ZSK 2009 <sup>(1)</sup>	

1. Title of Security (Instr. 3)	2. Transa Date (Month/D	ay/Year) if	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transa Code ( 8)	iction Instr.	4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported	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	Transaction(s) (Instr. 3 and 4)		(instr. 4)
Common Stock									16,406,828	Ι	by Sunset 2020 <sup>(1)</sup>
Common Stock									1,839,946	Ι	by Staff 2010 <sup>(2)</sup>
Common Stock									1,383,858	I	by Staff 2009 <sup>(2)</sup>
Common Stock									3,223,803	Ι	by Sr. Staff 2008 <sup>(2)</sup>
Common Stock									691,929	I	by Incentive 2009 <sup>(2)</sup>
Common Stock									1,384,408	Ι	by Incentive 2010 <sup>(2)</sup>
Common Stock									311,287	Ι	by Staff 2001 <sup>(2)</sup>
Common Stock									58,800	Ι	by Sr. Staff <sup>(2)</sup>
Common Stock									59,133	Ι	by Staff 2006 <sup>(2)</sup>
Common Stock									118,266	I	by Sr. Staff 2006 <sup>(2)</sup>
Common Stock									19,711	Ι	by Incentive 2006 <sup>(2)</sup>
Common Stock									4,995,000	Ι	by Sr. Staff 2007 <sup>(2)</sup>
Common Stock									2,497,500	Ι	by Staff 2007 <sup>(2)</sup>
Common Stock									832,500	Ι	by Incentive 2007 <sup>(2)</sup>
	Table II - Deriva	ative Sec	curities Acqu IIs, warrants	uired,	Disp	osed of,	or Bene	ficially	Owned		

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	Title	Amount or Number of Shares					

## Explanation of Responses:

1. Randal J. Kirk controls each of R.J. Kirk Declaration of Trust ("R.J. Kirk DOT"), JPK 2008 LLC ("JPK 2008"), JPK 2009 LLC ("JPK 2009"), JPK 2012 LLC ("JPK 2012"), MGK 2018 LLC ("MGK 2008"), MGK 2009 LLC ("MGK 2009"), MGK 2011 LLC ("MGK 2011"), ZSK 2008 LLC ("ZSK 2009"), ZSK 2009 LLC ("ZSK 2009"), Kellie L. Banks (2009) Long Term Trust ("Kellie L. Banks LTT"), Third Security Senior Staff 2015 LLC ("S. Staff 2015"), Third Security Staff 2015 LLC ("Staff 2015"), Parkview 2020 Limited Partnership ("Parkview 2020"), Kapital Joe, LLC ("Kapital Joe"), Lotus Capital (2000) Company, Inc. ("Lotus"), and Sunset 2020 LLC ("Sunset 2020"). Shares held by these entities may be deemed to be beneficially owned (as defined under Rule 13d-3 promulgated under the Securities Exchange Act of 1934, as amended) by Mr. Kirk. Mr. Kirk disclaims beneficial ownership of such shares, except to the extent of any pecuniary interest therein.

2. Randal J. Kirk controls each of Third Security Staff 2010 LLC ("Staff 2010"), Third Security Staff 2009 LLC ("Staff 2009"), Third Security Staff 2008"), Third Security Staff 2009 LLC ("Staff 2009"), Third Security Staff 2009"), Third Security Staff 2009 LLC ("Staff 2009"), Third Security Staff 2006"), Third Security Staff 2006"), Third Security Staff 2007"), Third Security Staff 2006"), Third Security Staff 2007"), therein.

## /s/ Randal J. Kirk

01/31/2023 \*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.  $^{\ast}$  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.