FORM 4

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

k this box if no longer subject to	
on 16. Form 4 or Form 5	
ations may continue. See	

1. Name and Address of Reporting Person\* TANG CAPITAL PARTNERS LP

## STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

**OMB APPROVAL** OMB Number: Estimated average burden response: 0.5

7. Nature of Indirect Beneficial Ownership (Instr. 4)

By LP<sup>(1)</sup>

Trustee<sup>(2)</sup>

11. Nature of Indirect Beneficial Ownership (Instr. 4)

Section obligat	this box if no long 16. Form 4 or ions may continution 1(b).		STA		ed purs	uant	t to S	Sectio	on 16(a)	of the S	Seci	uritie	es Exchan	ge Act	of 193		SH	IP		Estimat	ed average bur	
1	nd Address of	Reporting Person*			<u>H</u>	ER	ON							<u>/DE/</u>	<u>′</u> .[			all app	olicable) ctor	)	X 10%	Owner
(Last) 4747 EX SUITE 5	ECUTIVE	•	(Middle)						t Trans	action (I	Mor	nth/D	ay/Year)									
(Street) SAN DI	EGO C.	A	92121		-   4. I1 -	f Am	end	lment,	Date o	of Origina	al F	iled (	(Month/Da	ay/Year	·)			Form	n filed b	y One	Reporting Per	rson
(City)	(S	tate)	(Zip)																			
1. Title of Security (Instr. 3) 2. Transa Date			Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 of 1940				2A. Deemed Execution Da			3. Transactio Code (Inst			4. Securities Acquired (A Disposed Of (D) (Instr. 3,				5. Amoun and Securities Beneficia		of Indired			
							•				\	,	Amount	()	A) or O)	Price	:	Report Transa	ted action(s)	,	,,,	(Instr. 4)
Common	Stock			03/29	9/2018	3				P			192,30	)8	Α	\$2	6	8,5	525,21	5	<b>I</b> <sup>(1)</sup>	By LP <sup>(</sup>
Common	Stock																	1	4,347		I <sup>(2)</sup>	
Common	Stock																	(	6,941	$\Box$	D <sup>(3)</sup>	
		Ta	able II - I	Derivat e.g., p	ive S uts, c	ecu	urit s, v	ties . varr	Acqui ants,	ired, [ optio	Dis	pos	sed of, nvertib	or Be	enefic curit	cially	y Ov	vned				
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)		Transaction Code (Inst		on of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4		Expirati	on I	Date		Amou Secur Unde Deriva Secur	Amount of Securities Underlying Derivative Security (Instr.:		Deriv Secu	ative Irity	derivat Securi Benefi Owned Follow Report Transa	tive ties cially d ving ted action(s	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	of Indire Benefici Ownersh	
					Code	v		(A)	(D)		able			Title	or Num of	nber						
1	nd Address of KEVIN (	Reporting Person*																				
(Last) 4747 EX SUITE 5	ECUTIVE	(First) DRIVE	(Midd	dle)		_																
(Street)	EGO	CA	9212	21																		
(City)		(State)	(Zip)																			
		Reporting Person*  L MANAGE		<u>LLC</u>																		
(Last) 4747 EX	ECUTIVE	(First) DRIVE, SUITE	-	dle)																		
(Street) SAN DII	EGO	CA	9212	21																		
(City)		(State)	(Zip)																			

(Last) 4747 EXECUTI	(First) VE DRIVE, SUI	(Middle) TE 510	
(Street) SAN DIEGO	CA	92121	-
(City)	(State)	(Zip)	

## **Explanation of Responses:**

1. The securities are held by Tang Capital Partners, LP and Tang (APPA) Holdings, LLC. Kevin C. Tang is the sole manager of Tang Capital Management, LLC, which is the general partner of Tang Capital Partners, LP. Tang Capital Partners, LP is the sole manager of Tang (APPA) Holdings, LLC.

2. The securities are held by Kevin C. Tang as custodian for his minor children, as Trustee of the Kevin C. Tang Family Trust, and as Trustee of the Tang Advisors, LLC Profit Sharing Plan.

3. 2,147 of these securities are held by Kevin C. Tang's IRA.

## Remarks:

/s/ Kevin C. Tang 04/02/2018
/s/ Kevin C. Tang, Managing Member
/s/ Kevin C. Tang, as Managing Member of Tang Capital Management, LLC, General Partner

\*\* Signature of Reporting Person

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.

<sup>\*</sup> If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

<sup>\*\*</sup> Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).