SEC Form 4	
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FORM	4
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549 STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL

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

	tion 1(b).	nue. See		Filed	l pursua or Se	ant to Sectio ection 30(h)	n 16(of the	a) of the Se Investmer	ecuriti nt Cor	ies Exchan mpany Act	nge Act of 1 of 1940	1934		hours	per res	ponse:	0.5	
1. Name and Address of Reporting Person [*] Wirth Edward					2. Issuer Name and Ticker or Trading Symbol INVIVO THERAPEUTICS HOLDINGS CORP. [NVIV]								elationship o ck all applica Director 7 Officer (able)	g Perso	on(s) to Issu 10% Ow Other (s	ner	
(Last) (First) (Middle) C/O INVIVO THERAPEUTICS HOLDING CORP. ONE BROADWAY, 14TH FLOOR					3. Date of Earliest Transaction (Month/Day/Year) 12/05/2011								below)	hief Scie	ence C	below) Officer		
						nendment,	Date	of Original	Filed	(Month/Da	y/Year)	6. In Line) 2	Form fil	ed by One	e Repo	(Check Appl rting Person One Report		
(,)	(-	,	ble I - Non	n-Deriva	ative	Securitie	s Ac	cquired,	Dis	posed o	of, or Be	neficially	v Owned					
Date					Saction Day/Year) 2A. Deemed Execution Date if any (Month/Day/Yea			Code (ities Acquired (A) or d Of (D) (Instr. 3, 4 ar (A) or (D) Price		5) Securities F Beneficially (Form	Direct I Indirect E str. 4) 0	7. Nature of ndirect Beneficial Dwnership Instr. 4)	
			Table II - I (ecurities alls, warr							Owned		,	I		
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	ercise (Month/Day/Year) of ative	3A. Deemed Execution Date, if any (Month/Day/Year)	Co	, Transaction Code (Instr.		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)			d Amount ies g security nd 4)	8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s		10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
				Cod	de V	(A)	(D)	Date Exercisab		Expiration Date	Title	Amount or Number of Shares		(Instr. 4)	011(5)			
Stock Option (right to buy)	\$1.87	12/05/2011		А		775,000		(1)	1	.2/05/2021	Common Stock	775,000	\$0	775,00	00	D		

Explanation of Responses:

1. Option vests and becomes exercisable as to 25% of the shares subject to the option on each of the first, second, third and fourth anniversaries of the date of grant, provided the reporting person remains employed by the Company on each vesting date.

<u>/s/ Thomas B. Rosedale (by</u> <u>Power of Attorney)</u>

12/07/2011

Date

** Signature of Reporting Person

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.