FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

OMB APPROVAL										
OMB Number:	3235-028									

Estimated average burden	
hours per response:	0.5

REYNOLDS FRANCIS			2. Issuer Name and Ticker or Trading Symbol <u>INVIVO THERAPEUTICS HOLDINGS</u> <u>CORP.</u> [NVIV]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director X 10% Owner
(Last) 81 LAKE SH	(First) ORE RD.	(Middle)	3. Date of Earliest Transaction (Month/Day/Year) 02/03/2014	Officer (give title Other (specify below) below)
(Street) SALEM (City)	NH (State)	03079 (Zip)	4. If Amendment, Date of Original Filed (Month/Day/Year)	6. 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-Deriv	ative Securities Acquired, Disposed of, or Benefi	icially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transa Code (8)		4. Securities Acquired Disposed Of (D) (Instr. 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)		(Instr. 4)
Common Stock	02/03/2014		S ⁽¹⁾		12,500	D	\$2.19	9,986,420	D	
Common Stock	02/04/2014		S ⁽²⁾		12,500	D	\$2.24	9,973,920	D	
Common Stock								23,488	Ι	401K Plan
Common Stock	02/05/2014		S ⁽³⁾		12,500	D	\$2.21	9,961,428	D	

 Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

			(571					•			,				
1. Title of Derivative Security (Instr. 3)	Derivative Conversion Date Security or Exercise (Month/Day/Year) i		3A. Deemed Execution Date, if any (Month/Day/Year)	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. All sales between \$1.98 - \$2.24.

2. All sales between \$2.07 - \$2.30.

3. All sales between \$2.17 - \$2.25.

Remarks:

All Sold under 105B-1 Sales plan.

<u>/s/ Francis Reynolds</u>

02/06/2014

** 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.