FORM 3

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL							
OMB Number:	3235-0104						
Estimated average burden							
hours per response	0.5						

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

Name and Address of Reporting Person* Butts Robert W	2. Date of Eve Requiring Stat (Month/Day/Ye 06/08/2010	ing Statement (/Day/Year) ADHEREX TECHNOLOGIES INC [ADHXF]								
(Last) (First) (Middle) 1 BURTON HILLS BOULEVARD, SUITE			4. Relationship of Reporting Person(s) to Issuer (Check all applicable) X Director X 10% Owner		(Mon	5. If Amendment, Date of Original Filed (Month/Day/Year)				
(Street)			X Officer (give title below) Chairman of E	Other (spec below) Board		cable Line) Form filed by	Group Filing (Check One Reporting Person More than One			
NASHVILLE TN 37215 (City) (State) (Zip)						Reporting Pe				
Table I - Non-Derivative Securities Beneficially Owned										
1. Title of Security (Instr. 4)			2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) 4. Nature of Indirect Beneficial Owner (Instr. 5)		Beneficial Ownership				
Common Stock			41,504,000	D						
Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)										
1. Title of Derivative Security (Instr. 4)	2. Date Exerc Expiration Da (Month/Day/Y	ate	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of	5. Ownership Form: Direct (D)	6. Nature of Indirect Beneficial Ownership (Instr. 5)			
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Derivative Security	or Indirect (I) (Instr. 5)				
Common Stock Warrants ⁽¹⁾	10/31/2010	04/30/2015	Common Stock	41,504,000	0.08	D				

Explanation of Responses:

 $1.\ Warrants\ are\ not\ registered\ and\ not\ excerciseable\ until\ October\ 31,\ 2010.$

/s/ Robert W. Butts

** Signature of Reporting Person Dat

06/09/2010

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 5 (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.