SPHERIX INC Form SC 13G/A February 16, 2010

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934

(Amendment No. 1)

Spherix Incorporated
 (Name of Issuer)

Common Stock, \$0.005 par value (Title of Class of Securities)

84842R106 (CUSIP Number)

December 31, 2009 (Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- [] Rule 13d-1(b)
- [X] Rule 13d-1(c)
- [] Rule 13d-1(d)

The information required in the remainder of this cover page shall not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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^{*}The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

, ,			EPORTING PERSONS		
I	Hartz 	Capi 	tal Investments, LLC		
(2) (CHECK	THE .	APPROPRIATE BOX IF A MEMBER OF A GROUP (see instructi (a) [X] (b) []	ons	
(3)	SEC US	E ON	LY		
(4)	CITIZE	NSHI	P OR PLACE OF ORGANIZATION		
1	New Je	rsey			
NUMBER OF		(5)	SOLE VOTING POWER 0		
SHARES					
BENEFICIAI	LLY	(6)	SHARED VOTING POWER 565,870 shares of Common Stock		
			Warrants to purchase 491,305 shares of Common Stock (See Item 4)*		
OWNED BY					
EACH		(7)	SOLE DISPOSITIVE POWER 0		
REPORTING					
PERSON WIT	ГН: (8)	SHARED DISPOSITIVE POWER 565,870 shares of Common Stock		
			Warrants to purchase 491,305 shares of Common Stock (See Item 4) *		
(9)			AMOUNT BENEFICIALLY OWNED EPORTING PERSON		
			hares of Common Stock		
	Warra	nts	to purchase 491,305 shares of Common Stock (See Item	4)*	
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) []				
(11)	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 4.99% (See Item 4)*				
(12)	TYPE OF REPORTING PERSON (see instructions) 00				
subject to to such bl reported	o a 4. locker in row	99% . Ho s (6	cribed in Item 4, certain of these reported securities blocker and the percentage set forth in row (11) give wever, as more fully described in Item 4, the securit), (8) and (9) show the number of shares of Common St pon full exercise or conversion of such reported security.	s e ies ock	

and do not give effect to such blocker. Therefore, the actual number of shares of Common Stock beneficially owned by such Reporting Person, after giving effect to such blocker, is less than the number of securities reported in rows (6), (8)

and (9)..

CUSIP No.	8484	2R106	13G Page 3 of 7 Pa		
(1) N	NAMES	OF R	EPORTING PERSONS		
E	Emper	y Ass	et Management, LP		
(2) (CHECK	THE	APPROPRIATE BOX IF A MEMBER OF A GROUP (see instruct. (a) [X] (b) []		
(3)	SEC U	SE ON	LY		
(4)	CITIZ	 ENSHI	P OR PLACE OF ORGANIZATION		
	De	lawar	e e		
NUMBER OF		(5)	SOLE VOTING POWER 0		
SHARES BENEFICIAI	LLY	(6)	SHARED VOTING POWER 636,340 shares of Common Stock		
			Warrants to purchase 552,175 shares of Common Stock (See Item 4)*		
OWNED BY					
, ,		(7)	SOLE DISPOSITIVE POWER 0		
REPORTING		(8)			
			Warrants to purchase 552,175 shares of Common Stock (See Item 4)*		
(9)	BY E	ACH R	AMOUNT BENEFICIALLY OWNED EPORTING PERSON hares of Common Stock		
	(See	Item	·		
(10)	(10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions)				
(11)	BY A		•		
(12) TYPE OF REPORTING PERSON (see instructions) PN					
 * As more	 full	 y des	cribed in Item 4, certain of these reported securiti		

^{*} As more fully described in Item 4, certain of these reported securities are subject to a 4.99% blocker and the percentage set forth in row (11) gives effect

to such blocker. However, as more fully described in Item 4, the securities reported in rows (6), (8) and (9) show the number of shares of Common Stock that would be issuable upon full exercise or conversion of such reported securities and do not give effect to such blocker. Therefore, the actual number of shares of Common Stock beneficially owned by such Reporting Person, after giving effect to such blocker, is less than the number of securities reported in rows (6), (8) and (9).

CUSIP No.	84842	R106	13G	Page 4 of 7 P	ages				
(1)	 NAMES	OF RI	PORTING PERSONS						
	Ryan M	1. Lar	e						
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (see instruction: (a) [X] (b) []								
(3)	SEC US	E ON	у						
(4)	CITIZE	ITIZENSHIP OR PLACE OF ORGANIZATION							
	United States								
		(5)	SOLE VOTING POWER						
SHARES - BENEFICIALLY ((6)	SHARED VOTING POWER 636,340 shares of Common Sto	 ck					
OWNED BY			Warrants to purchase 552,175 (See Item 4)*	shares of Common Stock					
EACH REPORTING		(7)	SOLE DISPOSITIVE POWER 0						
		(8)	SHARED DISPOSITIVE POWER 636,340 shares of Common Sto	ck					
			Warrants to purchase $552,175$ (See Item 4)*	shares of Common Stock					
(9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON 636,340 shares of Common Stock									
		Warrants to purchase 552,175 shares of Common Stock (See Item $4)*$							
(10)) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions) []								
(11)			CLASS REPRESENTED IN ROW (9) 4.99%						

		(See	Ite	em 4)*				
(1	2)	TYPE IN	OF	REPORTING	PERSON	(see	instructions)	

* As more fully described in Item 4, certain of these reported securities are subject to a 4.99% blocker and the percentage set forth in row (11) gives effect to such blocker. However, as more fully described in Item 4, the securities reported in rows (6), (8) and (9) show the number of shares of Common Stock that would be issuable upon full exercise or conversion of such reported securities and do not give effect to such blocker. Therefore, the actual number of shares of Common Stock beneficially owned by such Reporting Person, after giving effect to such blocker, is less than the number of securities reported in rows (6), (8) and (9).

CUSIP No. 8	34842R1	06	13G	Page 5 of 7 Pages			
(1) NA	AMES OF	REPORTING PERSONS					
Mã	artin D). Hoe					
(2) CF	HECK TH	IE APPROPRIATE BOX	IF A MEMBER OF A GROUP	(see instructions) (a) [X] (b) []			
(3) SE	SEC USE ONLY						
(4) CI) CITIZENSHIP OR PLACE OF ORGANIZATION						
Ur	United States						
NUMBER OF	(5	S) SOLE VOTING POW	ER				
SHARES							
BENEFICIALLY		SHARED VOTING PO					
OWNED BY		Warrants to pure (See Item 4)*	chase 552,175 shares of	Common Stock			
EACH		') SOLE DISPOSITIVI	E POWER				
REPORTING							
PERSON WITE	H: (8)	SHARED DISPOSITIVE 636,340 shares of					
		Warrants to purc! (See Item 4)*	hase 552,175 shares of	Common Stock			
E	BY EACH	TE AMOUNT BENEFICIA REPORTING PERSON shares of Common					
V	Jarrant	s to purchase 552,	175 shares of Common St	tock			

(See Item 4)*

(10) CHECK BOX IF THE AGGREGATE AMOUNT
IN ROW (9) EXCLUDES CERTAIN SHARES (see instructions)

(11) PERCENT OF CLASS REPRESENTED
BY AMOUNT IN ROW (9)
4.99% (See Item 4)*

(12) TYPE OF REPORTING PERSON (see instructions) IN

* As more fully described in Item 4, certain of these reported securities are subject to a 4.99% blocker and the percentage set forth in row (11) gives effect to such blocker. However, as more fully described in Item 4, the securities reported in rows (6), (8) and (9) show the number of shares of Common Stock that would be issuable upon full exercise or conversion of such reported securities and do not give effect to such blocker. Therefore, the actual number of shares of Common Stock beneficially owned by such Reporting Person, after giving effect to such blocker, is less than the number of securities reported in rows (6), (8) and (9).

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This Amendment No. 1 (this "Amendment") amends the statement on Schedule 13G filed on November 20, 2009 (the "Original Schedule 13G" and the Original Schedule 13G as amended, the "Schedule 13G") with respect to shares of common stock, \$0.005 par value per share (the "Common Stock") of Spherix Incorporated, a Delaware corporation (the "Company"). Capitalized terms used herein and not otherwise defined in this Amendment have the meanings set forth in the Schedule 13G. This Amendment amends and restates Item 4 in its entirety as set forth below.

Item 4. Ownership

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

The information as of the filing date required by Items 4(a) - (c) is set forth in Rows 5 - 11 of the cover page for each Reporting Person hereto and is incorporated herein by reference for each such Reporting Person The Company's Prospectus filed pursuant to Rule 424(b) (5) on November 16, 2009, indicates that the total number of outstanding shares of Common Stock upon completion of the offering made pursuant to such Prospectus is 17,150,648. The percentages set forth on Row 11 of the cover page for each Reporting Person is based on the Company's outstanding shares of Common Stock and assumes the exercise of the reported warrants subject to the Blocker (as defined below). Pursuant to the terms of the reported warrants, the Reporting Persons cannot exercise any of these warrants until such time as the Reporting Persons would not beneficially own, after any such exercise, more than 4.99% of the outstanding shares of Common Stock (the "Blocker").

The Investment Manager, which serves as the investment manager to the Managed Account and the Empery Funds, may be deemed to be the beneficial owner of all shares of Common Stock owned by the Managed Account and the Empery Funds. Each of the Reporting Individuals, as Managing Members of the General Partner of the Investment Manager with the power to exercise investment discretion, may be deemed to be the beneficial owner of all shares of Common Stock owned by the Managed Account and the Empery Funds. Each of the Investment Manager and the

Reporting Individuals hereby disclaims any beneficial ownership of any such shares of Common Stock, except for their pecuniary interest therein.

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SIGNATURES

After reasonable inquiry and to the best of its knowledge and belief, each of the undersigned certifies that the information with respect to it set forth in this statement is true, complete, and correct.

Dated: February 12, 2010

EMPERY ASSET MANAGEMENT, LP

HARTZ CAPITAL INVESTMENTS, LLC

Partner

By: EMPERY AM GP, LLC, its General By: EMPERY ASSET MANAGEMENT, LP, its

Authorized Agent

By: EMPERY AM GP, LLC, its General

Partner

By: /s/ Ryan M. Lane _____

Name: Ryan M. Lane

Title: Managing Member

By: /s/ Ryan M. Lane

Name: Ryan M. Lane Title: Managing Member

/s/ Martin D. Hoe

/s/ Ryan M. Lane _____

MARTIN D. HOE RYAN M. LANE