SPIRE Corp Form 4 May 21, 2014

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16. Form 4 or

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005

Form 5 obligations may continue. **SECURITIES**

Estimated average burden hours per response... 0.5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * HENSELER UDO			2. Issuer Name and Ticker or Trading Symbol SPIRE Corp [SPIR]	5. Relationship of Reporting Person(s) to Issuer		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (Month/Day/Year)	(Check all applicable) X Director 10% Owner		
C/O SPIRE CORPORATION, ONE PATRIOTS PARK			05/20/2014	Officer (give title Other (specify below)		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
BEDFORD, MA 01730-2396			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		
(City)	(State)	(Zip)	Toble I Non Derivative Securities Ac	auired Disposed of or Ropoficially Owned		

•		Table	: 1 - Noll-De	erivative S	ecuriues Ac	quii eu, Disposeu	oi, or belieficial	ny Owneu
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		3. Transactio Code (Instr. 8)	4. Securit onAcquired Disposed (Instr. 3, 4	(A) or of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(D) Price	(Instr. 3 and 4)		
Common Stock, \$0.01 par value						19,420	D	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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I S	. 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)	Code Securities (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4,		Transaction Derivative Expiration Date Code Securities (Month/Day/Year) (Instr. 8) Acquired (A) or Disposed of (D)		7. Title and Amour Underlying Securit (Instr. 3 and 4)	
					Code V	and 5)	Date Exercisable	Expiration Date	Title	Amo or Num of Share
S	Non-Qualified Stock Option right to buy)	\$ 0.68	05/20/2014		A	2,000	05/20/2014	05/20/2024	Common Stock	2,0

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
HENSELER UDO C/O SPIRE CORPORATION ONE PATRIOTS PARK BEDFORD, MA 01730-2396	X						

Signatures

Udo Henseler 05/21/2014

**Signature of Person

Date

Explanation of Responses:

- * 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. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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