

HENSELER UDO  
Form 4  
October 05, 2007

**FORM 4**

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

OMB APPROVAL

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**STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES**

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
HENSELER UDO

(Last) (First) (Middle)

C/O SPIRE CORPORATION, ONE PATRIOTS PARK

(Street)

BEDFORD, MA 01730

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
SPIRE CORP [SPIR]

3. Date of Earliest Transaction  
(Month/Day/Year)  
10/05/2007

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)
			Code	V	Amount (A) or (D) Price		
Common Stock, \$0.01 par value	10/05/2007		M		625 A \$ 5.74 625	D	
Common Stock, \$0.01 par value	10/05/2007		S		625 D \$ 16.55 0 (2)	D	
Common Stock, \$0.01 par value	10/05/2007		M		938 A \$ 4.79 938	D	

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Common Stock, \$0.01 par value	10/05/2007	S	938	D	\$ 16.55 <u>(2)</u>	0	D
Common Stock, \$0.01 par value	10/05/2007	M	625	A	\$ 4.39	625	D
Common Stock, \$0.01 par value	10/05/2007	S	625	D	\$ 16.55 <u>(2)</u>	0	D
Common Stock, \$0.01 par value	10/05/2007	M	625	A	\$ 4.9	625	D
Common Stock, \$0.01 par value	10/05/2007	S	625	D	\$ 16.55 <u>(2)</u>	0	D
Common Stock, \$0.01 par value	10/05/2007	M	625	A	\$ 6.36	625	D
Common Stock, \$0.01 par value	10/05/2007	S	625	D	\$ 16.55 <u>(2)</u>	0	D
Common Stock, \$0.01 par value	10/05/2007	M	625	A	\$ 10.74	625	D
Common Stock, \$0.01 par value	10/05/2007	S	625	D	\$ 16.55 <u>(2)</u>	0	D
Common Stock, 0.01 par value	10/05/2007	M	313	A	\$ 7.45	313	D
Common Stock, \$0.01 par value	10/05/2007	S	313	D	\$ 16.55 <u>(2)</u>	0	D
Common Stock,	10/05/2007	M	313	A	\$ 8.4	313	D

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\$0.01 par value							
Common Stock, \$0.01 par value	10/05/2007	S	313	D	\$ 16.55	0	D
					(2)		
Common Stock, \$0.01 par value	10/05/2007	M	313	A	\$ 7.53	313	D
Common Stock, \$0.01 par value	10/05/2007	S	313	D	\$ 16.55	0	D
					(2)		
Common Stock, \$0.01 par value	10/05/2007	M	313	A	\$ 7.02	937	D
Common Stock, \$0.01 par value	10/05/2007	S	313	D	\$ 16.55	0	D
					(2)		

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

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(9-02)

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

1. 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)	4. Transaction 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 Underlying Security (Instr. 3 and 4)
Non-Incentive Stock Option	\$ 5.74	10/05/2007		M	625	06/30/2005 <sup>(1)</sup> 06/30/2014	Common Stock

(right to buy)										
Non-Incentive Stock Option (right to buy)	\$ 4.79	10/05/2007	M	938	09/30/2005 <sup>(1)</sup>	09/30/2014	Common Stock	93		
Non-Incentive Stock Option (right to buy)	\$ 4.39	10/05/2007	M	625	12/31/2005 <sup>(1)</sup>	12/31/2014	Common Stock	62		
Non-Incentive Stock Option (right to buy)	\$ 4.9	10/05/2007	M	625	03/31/2006 <sup>(1)</sup>	03/31/2015	Common Stock	62		
Non-Incentive Stock Option (right to buy)	\$ 6.36	10/05/2007	M	625	06/30/2006 <sup>(1)</sup>	06/30/2015	Common Stock	62		
Non-Incentive Stock Option (right to buy)	\$ 10.74	10/05/2007	M	625	09/30/2006 <sup>(1)</sup>	09/30/2015	Common Stock	62		
Non-Incentive Stock Option (right to buy)	\$ 7.45	10/05/2007	M	313	12/30/2006 <sup>(1)</sup>	12/30/2015	Common Stock	31		
Non-Incentive Stock Option (right to buy)	\$ 8.4	10/05/2007	M	313	03/31/2007 <sup>(1)</sup>	03/31/2016	Common Stock	31		
Non-Incentive Stock Option (right to buy)	\$ 7.53	10/05/2007	M	313	06/30/2007 <sup>(1)</sup>	06/30/2016	Common Stock	31		
Non-Incentive Stock Option (right to buy)	\$ 7.02	10/05/2007	M	313	09/29/2007 <sup>(1)</sup>	09/29/2016	Common Stock	31		

## Reporting Owners

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

## Signatures

Udo Henseler                      10/05/2007

\_\_\_\_Signature of                      Date  
Reporting Person

## 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).
- (1) The option is exercisable in annual increments of 25% of the option shares, with the first increment becoming exercisable on the date shown in this column.
- (2) Price is based on weighted average of sale price.

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