

Houtkin Sherry  
Form 4  
February 12, 2009

**FORM 4** UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

OMB APPROVAL

OMB Number: 3235-0287  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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 \*

Houtkin Sherry

2. Issuer Name and Ticker or Trading Symbol

GENCOR INDUSTRIES INC  
[GENC]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

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

02/06/2008

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

3900 ISLAND  
BLVD., PENTHOUSE 4

(Street)

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

6. Individual or Joint/Group Filing(Check Applicable Line)

\_\_\_\_ Form filed by One Reporting Person  
\_\_X\_\_ Form filed by More than One Reporting Person

AVENTURA, FL 33160

(City) (State) (Zip)

**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 Indirect Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
| Common Stock, \$.10 par value   | 02/06/2008                           |  | P                              | 17 A \$ 10.5  | 1,256,215   | I  | By Spouse (deceased 07/25/2008)                       |
| Common Stock, \$.10 par value   | 02/06/2008                           |  | P                              | 100 A \$ 10.35  | 1,256,315   | I  | By Spouse (deceased 07/25/2008)                       |
| Common Stock, \$.10 par         | 02/06/2008                           |  | P                              | 100 A \$ 10.5   | 1,256,415   | I  | By Spouse (deceased 07/25/2008)                       |

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|                               |            |   |     |   |          |           |   |                                 |
|-------------------------------|------------|---|-----|---|----------|-----------|---|---------------------------------|
| value                         |            |   |     |   |          |           |   |                                 |
| Common Stock, \$.10 par value | 02/06/2008 | P | 100 | A | \$ 10.5  | 1,256,515 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/06/2008 | P | 100 | A | \$ 10.5  | 1,256,615 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/06/2008 | P | 100 | A | \$ 10.75 | 1,256,715 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/06/2008 | P | 100 | A | \$ 10.5  | 1,256,815 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/06/2008 | P | 100 | A | \$ 10.6  | 1,256,915 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/06/2008 | P | 100 | A | \$ 10.75 | 1,257,015 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/06/2008 | P | 100 | A | \$ 11    | 1,257,115 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/06/2008 | P | 100 | A | \$ 10.6  | 1,257,215 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/06/2008 | P | 100 | A | \$ 10.55 | 1,257,315 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/06/2008 | P | 100 | A | \$ 10.8  | 1,257,415 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/06/2008 | P | 100 | A | \$ 10.75 | 1,257,515 | I | By Spouse (deceased 07/25/2008) |

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|                               |            |   |                    |   |          |           |   |                                 |
|-------------------------------|------------|---|--------------------|---|----------|-----------|---|---------------------------------|
| Common Stock, \$.10 par value | 02/06/2008 | P | 100                | A | \$ 11    | 1,257,615 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/07/2008 | P | 100                | A | \$ 11    | 1,257,715 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/07/2008 | P | 100                | A | \$ 11.1  | 1,257,815 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/07/2008 | P | 100                | A | \$ 11.2  | 1,257,915 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/07/2008 | P | 100                | A | \$ 11.15 | 1,258,015 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/07/2008 | S | 800                | D | \$ 11.25 | 1,257,215 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/07/2008 | S | 500                | D | \$ 11.1  | 1,256,715 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/07/2008 | S | 275                | D | \$ 11.2  | 1,256,440 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/07/2008 | S | 146 <sup>(1)</sup> | D | \$ 11.25 | 1,256,294 | I | By Spouse (deceased 07/25/2008) |
| Common Stock, \$.10 par value | 02/07/2008 | P | 0                  | A | \$ 0     | 873,363   | D |                                 |

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

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SEC 1474  
(9-02)



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**Remarks:**

Mr. Houtkin passed away July 25, 2008. On that date, he ceased to be a 10% owner and was no longer subject to Section 16.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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