

# 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

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

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

|   |   |   |
|---|---|---|
| 1. Name and Address of Reporting Person*<br>David L. Starling<br>Kansas City Southern<br>PO Box 219335<br>Kansas City MO 64121-9335 | 2. Issuer Name and Ticker or Trading Symbol<br>Kansas City Southern [KSU]                 | 5. Relationship of Reporting Person(s) to Issuer (check all applicable)<br><input type="checkbox"/> Director <input type="checkbox"/> 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)<br><br>President & COO |
|   | 3. Date of Earliest Transaction Required to be Reported<br>(Month/Day/Year)<br>08/29/2008 |   |
|   | 4. If amendment, Date Original Filed (Month/Day/Year)                                     | 6. Individual or Joint/Group Filing (Check Applicable Line)<br><input checked="" type="checkbox"/> Form filed by One Reporting Person<br><input type="checkbox"/> Form filed by More Than One Reporting Person  |

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

| 1. Title of Security<br>(Instr. 3) | 2. Transaction<br>Date<br>(mm/dd/yy) | 2A. Deemed<br>Execution<br>Date, if any<br>(mm/dd/yy) | 3. Transaction<br>Code<br>(Instr. 8) |   | 4. Securities Acquired (A) or Disposed of (D)<br>(Instr. 3, 4, & 5) |                  |       | 5. Amount of<br>Securities<br>Beneficially<br>Owned Following<br>Reported<br>Transaction(s)<br>(Instr. 3, & 4) | 6. Ownership<br>Form:<br>Direct (D)<br>or Indirect (I)<br>(Instr. 4) | 7. Nature of Indirect Beneficial<br>Ownership<br>(Instr. 4) |
|------------------------------------|--------------------------------------|---|--------------------------------------|---|---|------------------|-------|--|--|---|
|                                    |                                      |   | Code                                 | V | Amount  | (A)<br>or<br>(D) | Price |  |  |   |
| Common Stock                       | 08/29/2008                           |   | F                                    |   | 1,115   | D                | \$0   | 45,575   | D  |   |

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 4(b)(v).

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 control number.

Form 4 (cont.)  
 Name and Address of Reporting Person  
 David L. Starling  
 Kansas City Southern  
 PO Box 219335  
 Kansas City MO 64121-9335

Issuer Name and Ticker or Trading Symbol  
 Kansas City Southern [KSU]

Period Of Report  
 08/29/2008

**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 (mm/dd/yy) | 3A. Deemed Execution Date, if any (mm/dd/yy) | 4. Transaction Code (Instr. 8) |   | 5. No. of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, & 5) |     | 6. Date Exercisable and Expiration Date (mm/dd/yy) |                 | 7. Title and Amount of Underlying Securities (Instr. 3 & 4) |                            | 8. Price of Derivative Security (Instr. 5) | 9. No. of Derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3, & 4) | 10. Ownership Form of Derivative Securities: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|--|--|--------------------------------|--|--------------------------------|---|--|-----|--|-----------------|---|----------------------------|--|--|--|--|
|  |  |                                |  | Code                           | V | (A)  | (D) | Date Exercisable                                   | Expiration Date | Title   | Amount or Number of Shares |  |  |  |  |
| Employee Stock Option (Right to Buy) (1)   | \$51.55  | 07/30/2008                     |  | A                              |   | 3,880  |     | 07/30/2013   | 07/29/2018      | Common Stock  | 3,880                      | \$0  | 3,880  | D  |  |
| LSAR (1)                                   | \$51.55  | 07/30/2008                     |  | A                              |   | 3,880  |     | (1)  | (1)             | Common Stock  | 3,880                      | \$0  | 3,880  | D  |  |

Explanation of Responses:

(1) - Limited Stock Appreciation Rights ("LSARs") are granted in tandem with stock options. LSARs become exercisable only following a change-in-control of the Company in lieu of related options and are exercisable only for cash. LSARs terminate when the related options are exercised or terminated.

By: Brian P. Banks, Attorney-in-fact  
 \*\*Signature of Reporting Person

9/2/2008  
 Date