#### KEMPER DAVID W

Form 4

August 31, 2009

## FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

**OMB APPROVAL** OMB

3235-0287 Number:

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response...

if no longer subject to Section 16. Form 4 or Form 5

Check this box

obligations may continue. See Instruction

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(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * KEMPER DAVID W	2. Issuer Name <b>and</b> Ticker or Trading Symbol COMMERCE BANCSHARES INC /MO/ [CBSH]	5. Relationship of Reporting Person(s) to Issuer  (Check all applicable)		
(Last) (First) (Middle) 1000 WALNUT ST., 7TH FLOOR	3. Date of Earliest Transaction (Month/Day/Year) 08/27/2009	_X_ Director 10% Owner X_ Officer (give title Other (specify below) Chairman of the Board, CEO		
(Street)	4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person		
KANSAS CITY, MO 64106		Form filed by More than One Reporting Person		

(City)	(State)	(Zip) Tab	Derivativ	ired, Disposed of, or Beneficially Owned						
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed 3. 4. Securities 2. Execution Date, if any Code (Instr. 3, 4 and (Month/Day/Year) (Instr. 8)			sed of	(D)	5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
			Code V	Amount	or (D)	Price	Transaction(s) (Instr. 3 and 4)	(Instr. 4)		
Common Stock	08/27/2009		S	23	D	\$ 38.0119 (1)	1,211,201	D		
Common Stock	08/28/2009		S	10	D	\$ 38.075 (2)	1,211,191	D		
Common Stock	08/27/2009		S	9,308	D	\$ 38.0119 (1)	1,778,174	I	James M Kemper Trust	
Common Stock	08/28/2009		S	4,276	D	\$ 38.075 (2)	1,773,898	I	James M Kemper Trust	

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Common Stock	4,220	I	Bank cust for son
Common Stock	11,565	I	CB Kemper Trust
Common Stock	11,566	I	CB Kemper Rev Trust
Common Stock	11,565	I	EC Kemper Trust
Common Stock	11,566	I	EC Kemper Revoc Trst
Common Stock	8,017	I	Exec Comp Plan
Common Stock	23,060	I	JW Kemper Trust
Common Stock	48,493	I	MLK Trust- JMK issue
Common Stock	174,463	I	Tower Properties Co
Common Stock	23,119	I	WL Kemper Trust

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

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.

SEC 1474

(9-02)

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exercisable and	7. Title and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orNumber	Expiration Date	Amount of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/Year)	Underlying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e	Securities	(Instr. 5)	Bene
	Derivative			Securities		3	(Instr. 3 and 4)		Owne
	Security			Acquired					Follo
					(A) or				Repo
					Disposed				Trans
					of (D)				(Instr

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(Instr. 3, 4, and 5)

Amount or Expiration Title Number Date Exercisable Date of Shares Code V (A) (D)

# **Reporting Owners**

Relationships Reporting Owner Name / Address

10% Owner Officer Other Director

KEMPER DAVID W 1000 WALNUT ST., 7TH FLOOR X KANSAS CITY, MO 64106

Chairman of the Board, CEO

### **Signatures**

By: Jeffery Aberdeen For: David W. 08/31/2009 Kemper

> \*\*Signature of Reporting 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).
- (1) Range of sales prices for 8/27/2009 is \$38.00 to \$38.05 per share.
- (2) Range of sales prices for 8/28/2009 is \$38.00 to \$38.18 per share.

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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