

Buckelew Larry C.  
Form 4  
May 29, 2009

**FORM 4**

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

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

## OMB APPROVAL

OMB  
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response... 0.5

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
Buckelew Larry C.

2. Issuer Name **and** Ticker or Trading  
Symbol  
Alliance HealthCare Services, Inc  
[AIQ]

5. Relationship of Reporting Person(s) to  
Issuer

(Check all applicable)

(Last) (First) (Middle)  
100 BAYVIEW CIRCLE, SUITE  
400

3. Date of Earliest Transaction  
(Month/Day/Year)  
05/27/2009

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

(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  
☐ Form filed by More than One Reporting  
Person

NEWPORT BEACH, CA 92660

(City) (State) (Zip)

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

| 1. Title of<br>Security<br>(Instr. 3) | 2. Transaction Date<br>(Month/Day/Year) | 2A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 3. Transaction<br>Code<br>(Instr. 8) | 4. Securities<br>Acquired (A) or<br>Disposed of (D)<br>(Instr. 3, 4 and 5) | 5. Amount of<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported<br>Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership<br>Form: Direct<br>(D) or<br>Indirect (I)<br>(Instr. 4) | 7. Nature of<br>Ownership<br>(Instr. 4) |
|---------------------------------------|-----------------------------------------|-------------------------------------------------------------|--------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------|
| Restricted<br>Stock                   | 05/27/2009                              |                                                             | A                                    | 6,760                                                                      | A                                                                                                                  | \$ 0<br>(1)                                                          | 6,760 D                                 |

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)

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| 1. Title of<br>Derivative<br>Security<br>(Instr. 3) | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date, if<br>any<br>(Month/Day/Year) | 4.<br>Transaction<br>Code<br>(Instr. 8) | 5.<br>Number<br>of<br>Derivative<br>Securities<br>Acquired<br>(A) or<br>Disposed<br>of (D)<br>(Instr. 3,<br>4, and 5) | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) | 7. Title and<br>Amount of<br>Underlying<br>Securities<br>(Instr. 3 and 4) | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Nu<br>Deriv<br>Secur<br>Bene<br>Own<br>Follo<br>Repor<br>Trans<br>(Instr |
|-----------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------|
|                                                     |                                                                       |                                         |                                                             |                                         |                                                                                                                       |                                                                | Amount<br>or<br>Number<br>of<br>Shares                                    |                                                     |                                                                             |
|                                                     |                                                                       |                                         |                                                             |                                         |                                                                                                                       |                                                                | Title                                                                     |                                                     |                                                                             |
|                                                     |                                                                       |                                         |                                                             |                                         |                                                                                                                       |                                                                | Date<br>Exercisable                                                       | Expiration<br>Date                                  |                                                                             |
|                                                     |                                                                       |                                         |                                                             |                                         |                                                                                                                       |                                                                | Code                                                                      | V                                                   | (A) (D)                                                                     |

Reporting Owners

| Reporting Owner Name / Address                                                  | Relationships |           |         |       |
|---------------------------------------------------------------------------------|---------------|-----------|---------|-------|
|                                                                                 | Director      | 10% Owner | Officer | Other |
| Buckelew Larry C.<br>100 BAYVIEW CIRCLE<br>SUITE 400<br>NEWPORT BEACH, CA 92660 | X             |           |         |       |

Signatures

|                                                                     |            |
|---------------------------------------------------------------------|------------|
| Leigh Ann Clifford, with Power of Attorney for Larry C.<br>Buckelew | 05/29/2009 |
| **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) Award is a pro-rated award based on Reporting Person's election to the Issuer's Board and the Issuer's 12/31/2008 award of restricted common stock to each of Issuer's independent directors.

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.