

SMITH C FRANK  
Form 4  
August 17, 2009

**FORM 4**

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

OMB APPROVAL

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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 \*  
SMITH C FRANK

(Last) (First) (Middle)

C/O NATCO GROUP INC., 11210 EQUITY DRIVE

(Street)

HOUSTON, TX 77041

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
NATCO GROUP INC [NTG]

3. Date of Earliest Transaction (Month/Day/Year)  
08/13/2009

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)

Executive Vice President

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) |                       |   |                             |
|---------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------|-----------------------|---|-----------------------------|
|                                 |                                      |                                                    |                                | (A) or (D) Code V                                                 | Amount                                                                                        |                                                          | Price                             |                       |   |                             |
| Common stock                    | 08/13/2009                           |                                                    | I                              |                                                                   | 4,000                                                                                         | D                                                        | \$ 40.1                           | 3,157                 | I | Shares held in 401k account |
| Common stock                    | 08/15/2009 <sup>(1)</sup>            |                                                    | F                              |                                                                   | 562 <sup>(2)</sup>                                                                            | D                                                        | \$ 39.66                          | 16,827 <sup>(3)</sup> | 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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**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 Securities (Instr. 3 and 4) | 8. Price of Derivative Security (Instr. 5) | 9. Nu Deriv Deriv Secur Bene Own Follo Repo Trans (Instr |
|--------------------------------------------|--------------------------------------------------------|--------------------------------------|----------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------|----------------------------------------------------------|
|                                            |                                                        |                                      |                                                    |                                |                                                                                         | Date Exercisable                                         | Expiration Date                                               | Title                                      | Amount or Number of Shares                               |
|                                            |                                                        |                                      |                                                    |                                |                                                                                         | Code                                                     | V (A) (D)                                                     |                                            |                                                          |

## Reporting Owners

| Reporting Owner Name / Address                                                   | Relationships |           |                          |       |
|----------------------------------------------------------------------------------|---------------|-----------|--------------------------|-------|
|                                                                                  | Director      | 10% Owner | Officer                  | Other |
| SMITH C FRANK<br>C/O NATCO GROUP INC.<br>11210 EQUITY DRIVE<br>HOUSTON, TX 77041 |               |           | Executive Vice President |       |

## Signatures

C. Frank Smith                      08/17/2009

\_\_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) Represents the date restrictions lapse on shares of restricted stock awarded on June 22, 2006.
- (2) Represents the number of shares withheld by the Company to satisfy the tax withholding obligation with respect to receipts shares on the date the restrictions lapsed on an award of restricted stock, as provided in the agreement with respect to the award.
- (3) Direct ownership includes an aggregate of 8,270 shares of restricted stock subject to potential forfeiture.

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