

PLAINS ALL AMERICAN PIPELINE LP
 Form 4
 March 31, 2006

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 *
FRYFOGLE JAMES B

2. Issuer Name and Ticker or Trading Symbol
PLAINS ALL AMERICAN PIPELINE LP [PAA]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
333 CLAY STREET, # 1600
 (Street)

3. Date of Earliest Transaction (Month/Day/Year)
03/31/2006

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
Vice President-Refinery Supply

HOUSTON 77002
 (City) (State) (Zip)

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

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) | | 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) | |
|---------------------------------|--------------------------------------|--|--------------------------------|---|-----------------|---|--|---|---------|
| | | | | (A) or (D) | Amount or Price | | | | |
| Common Units | 03/31/2006 | | M | V | 6,000 | A \$ 0 | 6,100 | D | |
| Common Units | 03/31/2006 | | F | | 1,887 | D \$ 0 | 4,213 | D | |
| Common Units | | | | | | | 800 | I | By wife |

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

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number.

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. F | |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--------------|----------------------------|
| | | | | | | | Amount or Number of Shares | | |
| | | | | Code | V (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Phantom Units-1998 LTIP | (1) | 03/31/2006 | | M | 6,000 | (2) | (3) | Common Units | 6,000 |

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer Other

FRYFOGLE JAMES B
333 CLAY STREET, # 1600
HOUSTON 77002

Vice President-Refinery Supply

Signatures

James B. Fryfogle 03/31/2006

**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) 1-for-1 Common Units for Phantom Units granted under long-term incentive plan.
- (2) 6,000 phantom units vested on March 31, 2006. Remaining 2,000 phantom units under 7/14/04 grant will vest as of first day on or after the August 2006 distribution date on which the annualized partnership distribution reaches \$2.90 per common unit.
- (3) Date of Reporting Person's termination of employment with the Issuer or it affiliates.

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.