

PETERSEN GARY R  
Form 4  
June 17, 2010

**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 \*  
PETERSEN GARY R

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)  
1100 LOUISIANA, SUITE 3150  
(Street)

3. Date of Earliest Transaction (Month/Day/Year)  
06/15/2010

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

HOUSTON, TX 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) (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 Units	06/15/2010		S	263,817 D \$ 58.35	0	I	Through Partnership (1) (4)
Common Units	06/15/2010		S	61,883 D \$ 58.35	0	I	Through Partnership (2) (4)
Common Units	06/15/2010		S	2,500 D \$ 58.35	0	I	Through Partnership (3) (4)
Common Units					5,200	D	



**Remarks:**

On the Form 4 filed by the reporting person on December 12, 2009, the common units owned by EnCap Energy Capital Fund included in the amount of securities beneficially owned by E-Holdings III, L.P. and E-Holdings V, L.P.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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