

Palmer C. Michael
 Form 4/A
 July 20, 2011

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 *
 Palmer C. Michael

2. Issuer Name and Ticker or Trading Symbol
 Marathon Petroleum Corp [MPC]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
 C/O MARATHON PETROLEUM CORPORATION, 539 S. MAIN STREET

3. Date of Earliest Transaction (Month/Day/Year)
 06/30/2011

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
 Sr. VP, Supply Distrib. & Plan

(Street)
 FINDLAY, OH 45840

4. If Amendment, Date Original Filed(Month/Day/Year)
 07/05/2011

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)
Common Stock				(A) or (D) Code V Amount (D) Price	8,700.21 ⁽¹⁾ <u>(2)</u>	D	

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

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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 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)	Amount or Number of Shares
Stock Option (right to buy)	\$ 25.74	06/30/2011		A	20,787	06/30/2011 ⁽³⁾ 05/26/2020	Common Stock	20,787

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Palmer C. Michael C/O MARATHON PETROLEUM CORPORATION 539 S. MAIN STREET FINDLAY, OH 45840			Sr. VP, Supply Distrib. & Plan	

Signatures

/s/ Molly R. Benson, Attorney-in-Fact for C. Michael Palmer
07/20/2011

__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) The original Form 4 included a grant of 4,740 shares on July 1, 2011 in the context of the spin-off of Issuer from Marathon Oil Corporation on June 30, 2011 (the "Spin-Off"). This amendment reflects a corrected total in column 5.
- (2) Includes 1,058,210 shares acquired in a pro-rata distribution of Issuer shares from Marathon Oil Corporation in connection with the spin-off of Issuer from Marathon Oil Corporation on June 30, 2011 (the "Spin-Off").
- (3) 17,297 shares vest in annual installments of 8,648 shares on May 26, 2012 and 8,649 shares on May 26, 2013. This footnote has been amended to reflect the appropriate vesting schedule.
- (4) Adjusted distribution resulting from the Spin-Off.
- (5) Amounts reported in this row were estimated as of July 5, 2011 based on preliminary information regarding the Spin-Off; final amounts, if different, will be reported in a subsequent filing.

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.