Heminger Gary R Form 4 July 05, 2011

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

Washington, D.C. 20549

Check this box if no longer subject to Section 16. Form 4 or Form 5

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940

1(b).

(Last)

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * Heminger Gary R

> (First) (Middle)

> > (Zip)

C/O MARATHON PETROLEUM CORPORATION, 539 S. MAIN **STREET**

(Street)

(State)

FINDLAY, OH 45840

(City)

2. Issuer Name and Ticker or Trading Symbol

Marathon Petroleum Corp [MPC]

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

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

5. Relationship of Reporting Person(s) to Issuer

OMB APPROVAL

Estimated average

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January 31,

2005

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(Check all applicable)

_X__ Director 10% Owner X_ Officer (give title Other (specify below) President & CEO

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

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

									/ =
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)			4. Securities Acquired fon(A) or Disposed of (D) (Instr. 3, 4 and 5)			Securities Beneficially Owned	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		
Common Stock	06/30/2011		A <u>(1)</u>	70,193	A	(1) (2)	70,193	D	
Common Stock	07/01/2011		A	76,896	A	\$ 0	209,500 (3)	D	
Common Stock							4,315.543 (4)	Ι	By 401(k) Plan

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)

S	. 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. 5. Number of TransactionDerivative Code Securities (Instr. 8) Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercisab Expiration Date (Month/Day/Year	7. Title and An Underlying Sec (Instr. 3 and 4)	
					Code V	(A) (D)	Date Exercisable	Expiration Date	Title N
F	Stock Appreciation Right	\$ 14.25	06/30/2011		A(1)	37,228	06/30/2011	05/26/2014	Common Stock
	Stock Option right to buy)	\$ 20.2	06/30/2011		A(1)	36,659	06/30/2011	05/25/2015	Common Stock
	Stock Option right to buy)	\$ 32.06	06/30/2011		A <u>(1)</u>	35,979	06/30/2011	06/01/2016	Common Stock
	Stock Option right to buy)	\$ 51.75	06/30/2011		A <u>(1)</u>	35,512	06/30/2011	05/30/2017	Common Stock
	Stock Option right to buy)	\$ 46.08	06/30/2011		A <u>(1)</u>	27,589	06/30/2011	02/27/2018	Common Stock
	Stock Option right to buy)	\$ 20.19	06/30/2011		A <u>(1)</u>	93,571	06/30/2011(5)	02/25/2019	Common Stock
	Stock Option right to buy)	\$ 24.73	06/30/2011		A <u>(1)</u>	123,170	06/30/2011(6)	02/24/2020	Common Stock
	Stock Option right to buy)	\$ 41.69	06/30/2011		A <u>(1)</u>	118,372	02/23/2012(7)	02/23/2021	Common Stock

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Heminger Gary R C/O MARATHON PETROLEUM CORPORATION 539 S. MAIN STREET FINDLAY OH 45840	X		President & CEO			

Signatures

/s/ Molly R. Benson, Attorney-in-Fact for Gary R.
Heminger 07/05/2011

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**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) Adjusted distribution resulting from the spin-off of Issuer from Marathon Oil Corporation on June 30, 2011 (the "Spin-Off").
- (2) Amounts reported in this row are 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.
- (3) Includes 62,411 shares acquired in a pro-rata distribution of Issuer shares from Marathon Oil Corporation in connection with the Spin-Off.
- (4) These shares were acquired in a pro-rata distribution of Issuer shares from Marathon Oil Corporation in connection with the Spin-Off.
- (5) 51,784 shares vest on February 25, 2012.
- (6) 102,491 shares vest in annual installments of 51,245 shares on February 24, 2012 and 51,246 shares on February 24, 2013, respectively.
- (7) Vests in annual installments of 39,457 shares on February 23, 2012, 39,457 shares on February 23, 2013 and 39,458 shares on February 23, 2014, respectively.

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.

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