

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 or
Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person * Kaczynski Thomas (Last) (First) (Middle) C/O MARATHON PETROLEUM CORPORATION, 539 S. MAIN STREET (Street) FINDLAY, OH 45840 (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol Marathon Petroleum Corp [MPC] 3. Date of Earliest Transaction (MM/DD/YYYY) <p align="center">3/1/2016</p>	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) ___ Director ___ 10% Owner <input checked="" type="checkbox"/> X ___ Officer (give title below) ___ Other (specify below) VP, Finance and Treasurer
4. If Amendment, Date Original Filed (MM/DD/YYYY)		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> 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. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. 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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	3/1/2016		A		2542	A	\$0.00	15841	D	

Table II - Derivative Securities 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. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. 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		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (right to buy)	\$34.63	3/1/2016		A		17653		3/1/2017 (1)	3/1/2026	Common Stock	17653	\$0.00	17653	D	

Explanation of Responses:

(1) Vests in annual installments of 5,884 shares on March 1, 2017, 5,884 shares on March 1, 2018 and 5,885 shares on March 1, 2019.

Remarks:

Vice President, Finance and Treasurer

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Kaczynski Thomas C/O MARATHON PETROLEUM CORPORATION 539 S. MAIN STREET FINDLAY, OH 45840			VP, Finance and Treasurer	

Signatures

/s/ Molly R. Benson, Attorney-in-Fact for Thomas Kaczynski

3/3/2016

**Signature of Reporting Person

Date

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

* 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).

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

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 number.

EXHIBIT 24

MPC POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that the undersigned hereby constitutes and appoints Molly R. Benson, Jodi E. Baker, Peter I. Kern and Shane T. Pfeleiderer (the "Attorneys"), and each of them, as the true and lawful attorney or attorneys-in-fact, with full power of substitution and revocation, for the undersigned and in the name, place and stead of the undersigned, in any and all capacities, to execute, on behalf of the undersigned, (1) any and all notices pursuant to Rule 144 under the Securities Act of 1933 with respect to sales of shares of common stock, par value \$0.01 per share, or other securities, of Marathon Petroleum Corporation, including, without limitation, all notices of proposed sale on Form 144, and (2) any and all statements or reports under Section 16 of the Securities Exchange Act of 1934 with respect to the beneficial ownership of common stock, par value \$0.01 per share, or other securities, of Marathon Petroleum Corporation, including, without limitation, all initial statements of beneficial ownership on Form 3, all statements of changes in beneficial ownership on Form 4, all annual statements of beneficial ownership on Form 5 and all successor or similar forms, to be filed with the Securities and Exchange Commission, to execute any and all amendments or supplements to any such notices, statements or reports, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting to said Attorney or Attorneys-in-fact, and each of them, full power and authority to do so and perform each and every act and thing requisite and necessary to be done in and about the premises (including, without limitation, completing, executing, delivering and filing a Form ID to apply for electronic filing codes), as fully and to all intents and purposes as the undersigned might or could do in person, and hereby ratifying and confirming all that said Attorney or Attorneys-in-fact, or any of them, or their substitute or substitutes, may lawfully do or cause to be done by virtue hereof. The undersigned acknowledges that the foregoing Attorneys-in-fact, and each of them, in serving in such capacity at the request of the undersigned, are not assuming any of the responsibilities of the undersigned to comply with Section 16 of the Securities Exchange Act of 1934 or any other legal requirement. This Power of Attorney shall remain in effect until revoked in writing by the undersigned.

 /s/ Tom Kaczynski
Tom Kaczynski

Date: 1/29/2016