

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

OMB APPROVAL

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hours per response: 0.5Filed 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* <u>Zygocki Rhonda I.</u> (Last) (First) (Middle) <u>6001 BOLLINGER CANYON ROAD</u> (Street) <u>SAN CA 94583</u> <u>RAMON</u> (City) (State) (Zip)	2. Date of Event Requiring Statement (Month/Day/Year) <u>03/01/2011</u>	3. Issuer Name and Ticker or Trading Symbol <u>CHEVRON CORP [CVX]</u>	
		4. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below) <u>Executive Vice President</u>	5. If Amendment, Date of Original Filed (Month/Day/Year) 6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
<u>Common Stock</u>	<u>1,274</u>	<u>D</u>	
<u>Common Stock</u>	<u>6,266⁽¹⁾</u>	<u>I</u>	<u>by Retirement Savings Plan</u>

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative Security	5. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date				
<u>Non-Qualified Stock Option (Right to Buy)</u>	<u>(2)</u>	<u>03/28/2017</u>	<u>Common Stock</u>	<u>26,000</u>	<u>74.08</u>	<u>D</u>
<u>Non-Qualified Stock Option (Right to Buy)</u>	<u>(3)</u>	<u>03/26/2018</u>	<u>Common Stock</u>	<u>39,000</u>	<u>84.96</u>	<u>D</u>
<u>Non-Qualified Stock Option (Right to Buy)</u>	<u>(4)</u>	<u>03/25/2019</u>	<u>Common Stock</u>	<u>45,000</u>	<u>69.7</u>	<u>D</u>
<u>Non-Qualified Stock Option (Right to Buy)</u>	<u>(5)</u>	<u>01/27/2020</u>	<u>Common Stock</u>	<u>46,500</u>	<u>73.7</u>	<u>D</u>
<u>Non-Qualified Stock Option (Right to Buy)</u>	<u>(6)</u>	<u>01/26/2021</u>	<u>Common Stock</u>	<u>53,000</u>	<u>94.64</u>	<u>D</u>
<u>Phantom Stock</u>	<u>(7)</u>	<u>(7)</u>	<u>Common Stock</u>	<u>8,042</u>	<u>(8)</u>	<u>D</u>
<u>Phantom Stock Units</u>	<u>(9)</u>	<u>(9)</u>	<u>Common Stock</u>	<u>1,783</u>	<u>(9)</u>	<u>I</u> <u>Excess Benefit Plan</u>
<u>Phantom Stock Units</u>	<u>(10)</u>	<u>(10)</u>	<u>Common Stock</u>	<u>5,600</u>	<u>(10)</u>	<u>D</u>

Explanation of Responses:

- As of March 4, 2011, this number represents the reporting person's shares of Chevron Corporation common stock under the Chevron Employee Savings Investment Plan, a 401(k) plan and the Chevron Taxable Savings Plan, both retirement savings plans.
- Option granted 3/28/2007. One-third of the shares subject to the option vest on each of the first, second and third anniversaries of the date of grant.
- Option granted 3/26/2008. One-third of the shares subject to the option vest on each of the first, second and third anniversaries of the date of grant.
- Option granted 3/25/2009. One-third of the shares subject to the option vest on each of the first, second and third anniversaries of the date of grant.
- Option granted 1/27/2010. One-third of the shares subject to the option vest on each of the first, second and third anniversaries of the date of grant.
- Option granted 1/26/2011. One-third of the shares subject to the option vest on each of the first, second and third anniversaries of the date of grant.
- The shares of phantom stock, which are issued under the Chevron Deferred Compensation Plan for Management Employees II, become payable after retirement or other termination of service.
- 1-for-1
- Each phantom stock unit is the economic equivalent of one share of Chevron Corporation common stock. The phantom stock units, which are issued under the Chevron ESIP-RP, are payable in cash upon the reporting person's retirement or other termination of service.
- Each phantom stock unit is the economic equivalent of one share of Chevron Corporation common stock. The phantom stock units vest on January 26, 2014 and are payable in cash.

Christopher A. Butner on
behalf of Rhonda I. Zygocki 03/09/2011

** 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 5 (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 Number.

POWER OF ATTORNEY

The undersigned hereby constitutes and appoints each of LYDIA I. BEEBE, CHRISTOPHER A. BUTNER and KARI H. ENDRIES, signing singly, the undersigned's true and lawful attorney-in-fact to:

1. Execute for and on behalf of the undersigned, in the undersigned's capacity as an officer and/or director of Chevron Corporation, a Delaware corporation (the "Corporation"), Forms 3, 4 and 5 in accordance with Section 16(a) of the Securities Exchange Act of 1934, as amended (the "Exchange Act") and the rules thereunder;

2. Do and perform any and all acts for and on behalf of the undersigned which may be necessary or desirable to complete and execute any such Form 3, 4 or 5 and timely file such form with the United States Securities and Exchange Commission and any stock exchange or similar authority; and

3. Take any other action of any type whatsoever in connection with the foregoing which, in the opinion of such attorney-in-fact, may be of benefit to, in the best interest of, or legally required by, the undersigned, it being understood that the documents executed by such attorney-in-fact on behalf of the undersigned pursuant to this Power of Attorney shall be in such form and shall contain such terms and conditions as such attorney-in-fact may approve in such attorney-in-fact's discretion.

The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Corporation assuming, any of the undersigned's responsibilities to comply with Section 16 of the Exchange Act.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4 and 5 with respect to the undersigned's holdings of and transactions in securities issued by the Corporation, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has hereunto set his or her hand this 16th day of February, 2011.

/s/ RHONDA I. ZYGOCKI