

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

Form 13F

Form 13F COVER PAGE

Report for the Calendar Year or Quarter Ended: March 31, 2004

Check here if Amendment ; Amendment Number: 5  
This Amendment (Check only one.):  is a restatement.  
 adds new holdings entries.

Institutional Investment Manager Filing this Report:

Name: Occidental Petroleum Corporation  
Address: 10889 Wilshire Boulevard  
Los Angeles, California 90024

Form 13F File Number: 28-10313

The institutional investment manager filing this report and the person by whom it is signed hereby represent that the person signing the report is authorized to submit it, that all information contained herein is true, correct and complete, and that it is understood that all required items, statements, schedules, lists, and tables, are considered integral parts of this form.

Person Signing this Report on Behalf of Reporting Manager:

Name: Samuel P. Dominick, Jr.  
Vice President and Controller  
Occidental Petroleum Corporation  
Phone: (310) 208-8800

Signature, Place, and Date of Signing:

/s/ S. P. DOMINICK, JR.	Los Angeles, California	May 13, 2004
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[Signature]	[City, State]	[Date]

Report Type (Check only one.):

- 13F HOLDINGS REPORT. (Check here if all holdings of this reporting manager are reported in this report.)
- 13F NOTICE. (Check here if no holdings reported are in this report, and all holdings are reported by other reporting manager(s).)
- 13F COMBINATION REPORT. (Check here if a portion of the holdings for this reporting manager are reported in this report and a portion are reported by other reporting manager(s).)

Form 13F SUMMARY PAGE

Report Summary:

Number of Other Included Managers: 6  
Form 13F Information Table Entry Total: 3  
Form 13F Information Table Value Total: \$ 319,871  
(thousands)

List of Other Included Managers:

Provide a numbered list of the name(s) and Form 13F file number(s) of all institutional investment managers with respect to which this report is filed, other than the manager filing this report.

No.	13F File Number	Name
1	28-	Occidental C.O.B. Partners
2	28-	Placid Oil Company
3	28-	OXY USA Inc.
4	28-	Occidental Oil and Gas Holding Corporation
5	28-	Occidental Petroleum Investment Co.
6	28-	Occidental Chemical Holding Corporation

FORM 13F INFORMATION TABLE

COLUMN 1	COLUMN 2	COLUMN 3	COLUMN 4	COLUMN 5		COLUMN 6	COLUMN 7	COLUMN 8		
NAMES OF ISSUER	TITLE OF CLASS	CUSIP	VALUE	SHRS OR	SH/ PUT/	INVESTMENT	OTHER	VOTING AUTHORITY		
			(x\$1000)	PRN AMT	PRN CALL			DISCRETION	MANAGERS	SOLE
Premcor Inc.	Common Stock	74045Q104	\$ 59,097	1,908,209	SH	SOLE		1,908,209		
Premcor Inc.	Common Stock	74045Q104	\$ 220,706	7,126,437	SH	SHARED-DEFINED	1, 2, 3, 4, 5		7,126,437	
Lyondell Chemical Company	Common Stock	552078107	\$ 40,068	2,700,000	SH	SHARED-DEFINED	5,6		2,700,000	