

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, 2011

Check here if Amendment [ ]; Amendment Number:

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: Roy Pineci  
Vice President, Controller and Principal Accounting Officer  
Occidental Petroleum Corporation  
Phone: (310) 208-8800

Signature, Place, and Date of Signing:

|                |                         |              |
|----------------|-------------------------|--------------|
| /s/ ROY PINECI | Los Angeles, California | May 10, 2011 |
| -----          | -----                   | -----        |
| [Signature]    | [City, State]           | [Date]       |

Report Type (Check only one.):

- [X] 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: 4  
Form 13F Information Table Entry Total: 43  
Form 13F Information Table Value Total: \$120,188  
(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   | 28-13910        | Phibro Trading LLC                  |
| 2   | 28-13909        | Oxy Energy Services Inc.            |
| 3   | 28-13908        | Occidental Petroleum Investment Co. |
| 4   | 28-12381        | Phibro LLC                          |

## FORM 13F INFORMATION TABLE

| COLUMN 1                      | COLUMN 2       | COLUMN 3  | COLUMN 4  | COLUMN 5 |          | COLUMN 6              | COLUMN 7      | COLUMN 8         |        |        |
|-------------------------------|----------------|-----------|-----------|----------|----------|-----------------------|---------------|------------------|--------|--------|
|                               |                |           | VALUE     | SHRS OR  | SH/ PUT/ |                       |               | VOTING AUTHORITY |        |        |
| NAME OF ISSUER                | TITLE OF CLASS | CUSIP     | (x\$1000) | PRN AMT  | PRN CALL | INVESTMENT DISCRETION | OTHER MANAGER | SOLE             | SHARED | NONE   |
| ANADARKO PETE CORP            | COM            | 032511107 | 1931      | 23574    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 23574  |
| APACHE CORP                   | COM            | 037411105 | 1484      | 11335    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 11335  |
| BARRICK GOLD CORP             | COM            | 067901108 | 448       | 8626     | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 8626   |
| BP PLC                        | SPONSORED ADR  | 055622104 | 254       | 5765     | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 5765   |
| BRIGHAM EXPLORATION CO        | COM            | 109178103 | 414       | 11135    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 11135  |
| CANADIAN NAT RES LTD          | COM            | 136385101 | 1601      | 32398    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 32398  |
| CHESAPEAKE ENERGY CORP        | COM            | 165167107 | 1444      | 43082    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 43082  |
| CHEVRON CORP NEW              | COM            | 166764100 | 6585      | 61266    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 61266  |
| CIMAREX ENERGY CO             | COM            | 171798101 | 805       | 6987     | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 6987   |
| CME GROUP INC                 | COM            | 12572Q105 | 1809      | 6000     | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 6000   |
| CONOCOPHILLIPS                | COM            | 20825C104 | 3339      | 41805    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 41805  |
| CONSOL ENERGY INC             | COM            | 20854P109 | 620       | 11564    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 11564  |
| CONTINENTAL RESOURCES INC     | COM            | 212015101 | 1508      | 21103    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 21103  |
| CORE LABORATORIES N V         | COM            | N22717107 | 2113      | 20679    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 20679  |
| COSAN LTD                     | SHS A          | G25343107 | 635       | 49203    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 49203  |
| DEVON ENERGY CORP NEW         | COM            | 25179M103 | 3987      | 43450    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 43450  |
| EXXON MOBIL CORP              | COM            | 30231G102 | 2656      | 31570    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 31570  |
| FLUOR CORP NEW                | COM            | 343412102 | 2520      | 34205    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 34205  |
| FREEMPORT-MCMORAN COPPER & GO | COM            | 35671D857 | 1065      | 19170    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 19170  |
| GERDAU S A                    | SPONSORED ADR  | 373737105 | 655       | 52398    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 52398  |
| HALLIBURTON CO                | COM            | 406216101 | 4332      | 86917    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 86917  |
| HESS CORP                     | COM            | 42809H107 | 4661      | 54696    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 54696  |
| INTERCONTINENTALEXCHANGE INC  | COM            | 45865V100 | 391       | 3162     | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 3162   |
| MARATHON OIL CORP             | COM            | 565849106 | 279       | 5240     | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 5240   |
| MARKET VECTORS ETF TR         | GOLD MINER ETF | 57060U100 | 6359      | 105799   | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 105799 |
| MOSAIC CO                     | COM            | 61945A107 | 1233      | 15656    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 15656  |
| MURPHY OIL CORP               | COM            | 626717102 | 2543      | 34637    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 34637  |
| NATIONAL OILWELL VARCO INC    | COM            | 637071101 | 5671      | 71537    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 71537  |
| OIL SVC HOLDRS TR             | DEPOSTRY RCPT  | 678002106 | 4893      | 29770    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 29770  |
| PEABODY ENERGY CORP           | COM            | 704549104 | 1242      | 17253    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 17253  |
| PETROLEO BRASILEIRO SA PETRO  | SPONSORED ADR  | 71654V408 | 2381      | 58880    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 58880  |
| RANGE RES CORP                | COM            | 75281A109 | 187       | 3195     | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 3195   |
| ROYAL DUTCH SHELL PLC         | SPONS ADR A    | 780259206 | 3978      | 54599    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 54599  |
| SCHLUMBERGER LTD              | COM            | 806857108 | 5012      | 53746    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 53746  |
| SELECT SECTOR SPDR TR         | SBI INT-ENERGY | 81369Y506 | 26453     | 331697   | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 331697 |
| SPDR SERIES TRUST             | S&P OILGAS EXP | 78464A730 | 5856      | 90904    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 90904  |
| STATOIL ASA                   | SPONSORED ADR  | 85771P102 | 1272      | 46008    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 46008  |
| SUNCOR ENERGY INC NEW         | COM            | 867224107 | 1651      | 36814    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 36814  |
| TETRA TECHNOLOGIES INC DEL    | COM            | 88162F105 | 116       | 7553     | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 7553   |
| UNITED STATES NATL GAS FUND   | UNIT NEW       | 912318110 | 575       | 50000    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 50000  |
| UNITED STATES STL CORP NEW    | COM            | 912909108 | 775       | 14377    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 14377  |
| VALE S A                      | ADR            | 91912E105 | 672       | 20152    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 20152  |
| WHITING PETE CORP NEW         | COM            | 966387102 | 3783      | 51511    | SH       | SHARED-DEFINED        | 1, 2, 3       |                  |        | 51511  |