

BAYTEX ENERGY CORP.

Form 6-K

March 16, 2011

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

FORM 6-K

Report of Foreign Private Issuer
 Pursuant to Rule 13a-16 or 15d-16 Under the
 Securities Exchange Act of 1934

For the month of March 2011

Commission File Number: 1-32754

BAYTEX ENERGY CORP.
 (Exact name of registrant as specified in its charter)

2800, 520 – 3rd AVENUE S.W.
 CALGARY, ALBERTA, CANADA
 T2P 0R3
 (Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover Form 20-F or Form 40-F.

Form 20-F £ Form 40-F S

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted
 by Regulation S-T Rule 101(b)(1): £

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted
 by Regulation S-T Rule 101(b)(7): £

Indicate by check mark whether the registrant by furnishing the information contained in this Form is also thereby
 furnishing the information to the Commission pursuant to Rule 12g3-2(b) under the Securities Exchange Act of 1934.

Yes £ No S

If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2(b):

The following document attached is an exhibit hereto is incorporated by reference herein:

| Exhibit No. | Document |
|-------------|--|
| 99.1 | Baytex Confirms Monthly Dividend for March at \$0.20 per Share |

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

BAYTEX ENERGY CORP.

By: /s/ W. Derek Aylesworth
Name: W. Derek Aylesworth
Title: Chief Financial Officer

Dated: March 15, 2011
